PECULIARITIES AND TYPES OF ORGANIZING EXTRACURRICULAR ACTIVITIES IN MATHEMATICS IN ELEMENTARY GRADES

Tolipov Rustam Mamasolievich
Teacher of the primary education department of Kokand State Pedagogical Institute

Annotation:
This article is about the specific features and types of organizing extracurricular activities in mathematics in elementary grades, it includes various methods, goals and objectives of organizing extracurricular activities in mathematics in elementary grades, types of extracurricular activities and information about their organizational features is given.

Keywords: extracurricular activities, interesting math, math club, math newspaper, field trip, math corner, math night.

By arming the young generation with the basics of modern science, achieving their maximum intellectual development is one of the most important tasks facing general education schools. In order for students to master mathematics, physics, chemistry and other subjects well in higher grades, they need to thoroughly master mathematics and develop practical skills in primary grades. In order for the elementary school to help students improve their knowledge and mastery of lessons, it is necessary to conduct extracurricular activities in elementary school along with classroom activities.

Extracurricular and extracurricular activities are an integral part of educational work with children, they increase students' passion for knowledge and work, and also affect the quality of learning and improve behavior. . By extracurricular activities in mathematics, we mean activities organized in order to expand and deepen students' mathematical knowledge.

The main goal of extracurricular work is to develop students' interest in science, equip them with mathematical knowledge, skills and abilities that complement and deepen the knowledge they have acquired in class.

It is known that the first type of training is currently available in all schools. In this case, it is advisable to conduct training in small groups of 3-4 students once a week. Extracurricular activities usually refer to more of the second type of activities, and they mainly aim to:

1. Arousing students' interest in mathematics and its applications;
2. To expand students' knowledge of mathematics according to the program;
3. Cultivating the culture of mathematical thinking;
4. Teaching students to work with popular scientific literature in mathematics;
5. Expanding students' imaginations about the historical-scientific value of mathematics, about the role of the school of mathematics in the world science.

Some of these goals are accomplished during class, but due to limited class time, most of them must be accomplished in extracurricular activities. In the school experience, the following types of extracurricular activities performed with students younger than mathematics can be found:

1. Interesting math hours and minutes;
2. Organization of mathematical circles;
3. Publication of a mathematics newspaper;
4. Excursion;
5. Organizing a mathematical corner;
6. Conducting mathematics evenings;
7. Holding a mathematics Olympiad in primary schools.

Publication of a mathematics journal.

The role of the mathematics newspaper and newspaper is important in increasing students' interest in mathematics and ensuring their in-depth mastery of this subject. Preparation of materials for a mathematical newspaper, its systematization and analysis help students to expand their creative thinking and independence abilities. Therefore, a mathematical wall newspaper, which is the organ of the mathematics club, should be published in every school. The wall newspaper reflects the school life and fights for knowledge and discipline. In schools, together with the wall newspaper, a mathematical newspaper can be published in order to organize children's free time in an interesting, non-boring way, and to educate them in their love for mathematics. Mathematics newspaper is published by an editorial board consisting of 3-5 students elected by the members of the club and headed by a teacher. The teacher distributes work to the members of the editorial board.

Math quizzes, unlike newspapers, consist only of problems and questions that are given to students to solve. Answers will be written and the winner will be announced by the teacher within a certain period of time.

Mathematical wall newspaper, quizzes are usually hung in the place called mathematical corner, in this corner, numerical data representing the achievements of our country are also given. "Do you know?" interesting materials are given in the column. For example:

1. A person's height can change from 1 cm to 6 cm in one day.
2. The longest railway in the world is 9302 km.
3. There are up to 13,300 million tons of silver in the world's oceans.

Students and their

can be done with the active help of parents.

It is extremely important that the purpose of the excursion is clear to the children, so that the children will know in advance what to do and how to behave.

Depending on the location of the school, excursions are conducted with children to various workshops, factories, combines, farms, cooperative farms and farms, and other places.

Questions about the use of construction materials, machines, labor and other things can be formulated and solved. Here are some of the issues:

1. An excavator digs a foundation depth of 4 m in one hour. With such productivity, how much depth will he dig in 7 hours?

2. 4 vehicles are working to transport goods to the construction site. Each of them has one driver and two loaders. How many people are employed in material transportation?

Building materials can be used to make stands for labor classes, and it is also possible to make models of buildings.

The method of organizing and conducting extracurricular activities should be based on the following.

1. The lesson is conducted taking into account the knowledge, skills and abilities acquired by students.

2. Extracurricular activities are organized based on the principle of students' desire, hobby, and creativity and to satisfy each student according to their opinion.

3. Forms of conducting extracurricular activities, unlike lessons, have a strong interesting side. A necessary condition for this is the complexity of planning and systematic work.

Below is a plan for extracurricular activities.

Mathematical tests

Competitions are competitions in solving problems of different difficulty, interesting thinking problems and tasks. Students who try their best to solve problems at the request of the students and who have sufficient preparation participate.

Mathematics Olympiad in elementary school.

Math competitions are held to determine the best mathematician of the class. Mathematical competitions are a unique competition for solving difficult problems and performing tasks that require a sharp mind and quick understanding. Mathematical contests are mainly held in order to identify good mathematicians, quick-witted and quick-witted people. The theme of the contest and the time of its holding will be determined in advance. For example: Problem solving, oral and written calculations, geometric tasks, etc. In order to make children interested in participating in this contest, and to prepare them for the competition, the teacher will explain the goals and objectives of the contest. Assignments are written and graded. Contests can be held in classes II, III, IV. For example:

1. You can knit 3 caps from two balls of woolen yarn. How many balls of yarn are needed to sew 9 such caps? (9:3).2=6

2. Saida and Halima had 30 candies together. After they ate the candies from the bar, Saida had 9 candies and Halima had 5 candies left. How long have they eaten candy? 9+5=14. 30 – 14=16. 16:2=8. Answer: 8 of them.

3. Numbers 1, 2, 3, 4, 5, 6, 7, 8, 9 are given. Add three of the numbers in this row to form more than 15 examples?

9+1+5, 8+4+3, 7+2+6, 8+1+6, 8+2+5, 7+5+3,
6+5+4, 9+2+4, 5+3+1, 5+7+3, 5+8+2, 5+6+4. Olympiads have the same goals as competitions, but they allow to select talented children who are seriously interested in mathematics from parallel classes at school. Sent to the Olympics. School Olympiads are usually held in two rounds. In the first six months, the teacher writes a series of problems from the program and hangs them on the wall. It also provides several extracurricular problems, which students solve outside of class.

Mathematical mornings (evenings) are one of the public events, which are held in order to spread mathematical knowledge among students and parents and to increase the interest of students in mathematics, while at the same time, they are more involved in mathematical circles. .

Such mornings can be held 1-2 times in grades I-IV.

The morning can be spent with one class or by adding parallel classes. The morning can last an hour on average. To spend the morning, you need to prepare thoroughly. For this, at least a year in advance, the teacher should make a well-thought-out plan. After that, students will be interviewed and tasks will be distributed to them. High school students and their parents can also be involved in this work.

Review the morning program after the necessary materials (poem, song, puzzle, interesting problem, math game, contest questions, quiz questions, costume of participating characters, etc.) are ready and should be discussed. It is necessary to invite these comrades.

A week before the morning (evening) is to be held, its well-decorated and capitalized program should be hung in a visible place. Other students can also prepare for some questions in the program.

In the room (hall) where the morning passes, a mathematical diary or magazine dedicated to this morning is hung. As much as possible, this room is decorated for the morning.

Children who participate in the morning (evening) learn to fantasize, reason, think and speak correctly. Therefore, the time spent on early mathematics not only has a mathematical value, but also has a general cultural value and educational value for students.

LITERATURE

1. Normatov, A. A., Tolipov, R. M., & Musayeva, S. H. Q. (2022). MAKTABLARDA MATEMATIKA FANINI O ‘QITISHNING DOLZARB MASALALARI. Oriental renaissance: Innovative, educational, natural and social sciences, 2(5), 1068-1075.
2. Tolipov, R., & Yusupov, M. (2022). THE ROLE AND IMPORTANCE OF THE FORM OF EDUCATION IN IMPROVING THE EFFECTIVENESS OF THE LESSON. Galaxy International Interdisciplinary Research Journal, 10(12), 1633-1637.

3. Толипов, Р. М. (2023, February). СПОСОБЫ ИСПОЛЬЗОВАНИЯ МЕТОДОВ ИНДУКЦИИ, ДЕДУКЦИИ И АНАЛОГИИ ПРИ РЕШЕНИИ ПРИМЕРОВ И ЗАДАЧ В МЛАДШИХ КЛАССАХ. In E Global Congress (Vol. 2, pp. 36-46).
4. Mamadalievich, Y. M., & Mamasolievich, T. R. (2022). THE NEWSPAPER" SADOI FERGHANA" IS THE NEWSPAPER OF THE FERGANA REGION. Galaxy International Interdisciplinary Research Journal, 10(12), 1236-1240.
5. Tolipov, R. (2022). Characteristics of the levels of formation of the control action in younger schoolchildren. INTERNATIONAL JOURNAL OF SOCIAL SCIENCE & INTERDISCIPLINARY RESEARCH ISSN: 2277-3630 Impact factor: 7.429, 11(11), 92-99.
6. Yusupov, M. M. (2022). FEATURES OF THE ORGANIZATION AND CONDUCT OF EDUCATIONAL PRACTICE OF FUTURE PRIMARY SCHOOL TEACHERS. INTERNATIONAL JOURNAL OF SOCIAL SCIENCE & INTERDISCIPLINARY RESEARCH ISSN: 2277-3630 Impact factor: 7.429, 11(06), 195-200.
7. Normatov, A. A., Tolipov, R. M., & Musayeva, S. H. Q. (2022). MAKTABLARDA MATEMATIKA FANINI O ‘QITISHNING DOLZARB MASALALARI. Oriental renaissance: Innovative, educational, natural and social sciences, 2(5), 1068-1075.
8. Mirhojiddinovna, J. D., Shavkatovna, A. M., & Alijonovna, M. D. (2022). Lingupoetic Features Of Unconventional Combinations And Agricultural Terms In Literary Texts. Journal of Positive School Psychology, 6(11), 1599-1604.
9. Abdulkhayeva, M. The Role of Dictations in the Development of Students' Written Speech in the First Class. International Journal of Innovative Research in Science, Engineering and Technology.
10. Abdulxayeva, M. (2023). ONA TILI VA O ‘QISH SAVODXONLIGI DARSLARIDA DIDAKTIK METODLARNING TUTGAN O ‘RNI. Scienceweb academic papers collection.
11. Musharrafa, A. (2023). Relationship of Mother Language and Reading Literacy with Natural Science. World of Science: Journal on Modern Research Methodologies, 2(3), 78-82.
12. Abdulxayeva, M. (2023). AKTdan foydalangan holda diktant olish metodikasi. Scienceweb academic papers collection.
13. Abdulxayeva, M. (2023). O’Z DIKTANT YOKI YODDAN YOZUV DIKTANTI. Interpretation and researches, 1(1).
14. Tadjibayeva, R. (2023). ELECTRONIC LEARNING OPPORTUNITIES IN THE PROCESS OF DIGITALIZATION OF EDUCATION. Journal of Innovation, Creativity and Art.

15. Muhammadjon-qizi, T. R. (2023). ELECTRONIC LEARNING OPPORTUNITIES IN THE PROCESS OF DIGITALIZATION OF EDUCATION. Journal of Innovation, Creativity and Art, 246-249.
16. Tadjibaeva, R. Methodology of Working on Numerical and Variable Expressions. International Journal of Innovative Research in Science, Engineering and Technology.
17. Tadjibaeva, R. Using The Exercise System To Grow Students' Thinking Skills. International Journal of Innovative Research in Science, Engineering and Technology.
18. Tadjibayeva, R. (2023). O'qituvchi mahoratini oshirishda raqamli texnologiyalardan foydalanish. Scienceweb academic papers collection.
19. Tadjibayeva, R. (2023). Ta'lim jarayonlarida raqamli texnologiyalardan foydalanish. KASB-HUNAR TA'LIMI.
20. Abdikodirovna, M. S. (2021). Improving the methodology of teaching the topic of nitrogenous organic compounds in higher education institutions on the basis of a differential approach.
21. Movlonova, S. (2021). Realizatsiya differentsirovannogo podxoda v obuchenii himii. Scienceweb academic papers collection.
22. Nadim, M. H. (2021). SHIMOLIY AFG 'ONISTON O 'ZBEKLARI ETNOGRAFIK LEKSIKASINING TARIXIY-ETIMOLOGIK XUSUSIYATLARI. Oriental renaissance: Innovative, educational, natural and social sciences, 1(2), 22-29.
23. UZBEK, S. O. E. L. O., & AFGHANISTAN, W. C. I. N. Muhammad Humayun Nadim PhD student of Termez State University.
24. Oripova, K. (2021). Listening Dysfunctions As One Of The Problematic Skills In Teaching Listening. Scienceweb academic papers collection.
25. Шомуротова, Ш. Х. РОЛЬ И ЗНАЧЕНИЕ ИЗУЧЕНИЯ КОМПЛЕКСНЫХ СОЕДИНЕНИЙ. ВВС 94 Z 40, 183.
26. Turgunov, K., Shomurotova, S., Mukhamedov, N., & Tashkhodjaev, B. (2010). Diaquadichloridobis [quinazolin-4 (1H)-one-κN3] copper (II). Acta Crystallographica Section E: Structure Reports Online, 66(12), m1680-m1680.