

**TEACHING MATHEMATICAL KNOWLEDGE IN PRIMARY EDUCATION AND THE  
ROLE OF PARENTS IN THIS PROCESS**

*Kudyarova Artikgul*

*Student of the Faculty of primary education of  
The Nukus State Pedagogical Institute named after Ajiniyaz*

**Abstract.** The article discusses ways to improve the effectiveness of mathematics teaching in elementary grades based on the resources that students can learn from. At the same time, the effective use of several methods is shown as an example.

**Key words:** method, discussion, explanation, induction, deduction, analogy, analysis, synthesis, comparison, problematic, explanatory, illustrative, reproductive.

**INTRODUCTION**

Rapid and rapid development of science, technology and production sectors, raising the quality of education in all educational institutions to a new level in terms of content, especially improving the quality of primary education, educational standards, the issues of wide introduction of advanced pedagogical and information and communication technologies demand urgency. This, in turn, imposes higher responsibilities and duties on primary school teachers.

**METHODS AND LITERATURE REVIEW**

It is known that the issue of teaching methods, their systematic enrichment and renewal is one of the most important aspects in achieving high results in teaching and the education system in general. Learning and teaching methods are methods of joint activity of the teacher and students, with the help of which new knowledge, skills and abilities are gained. The ability and thinking of teachers will develop. Therefore, enriched teaching methods based on the advanced achievements of modern science and technology and information technologies are of great importance in increasing the effectiveness of education.

Teaching methods involve organizing, encouraging and controlling the joint activities of teachers and students. Therefore, they are divided into three groups:

- methods of organizing educational activities;
- methods of stimulating educational activities;
- methods of controlling the effectiveness of educational activities.

**RESULTS**

Methods of organizing educational activities are divided into several groups, these are:

1. According to the sources from which students learn: oral, instructional, practical methods.
2. According to the direction of the student's thinking: induction, deduction, analogy.
3. The level of pedagogical influence management, according to the level of independence in students' studies: the method of educational work performed under the leadership of the teacher and the method of independent years of students.
4. According to the level of students' independent activities: explanatory-illustrative, re-productive, enigmatic presentation of knowledge, partial search and research method.

### **ANALYSIS AND DISCUSSION**

Now let's analyze separately the group divided by the sources from which students get knowledge. It is known from the above that these consisted of oral, instructional and practical methods.

Verbal methods provide the most amount of information in a short period of time, put puzzles in front of students, help them find ways to solve them, and generally develop the student's ability to work verbally. These methods create unique conditions for the development of students' thinking. If we consider them separately, that is, oral methods:

**Explanation.** The method of explaining knowledge consists in the fact that the teacher explains the material, and the students receive the knowledge ready. The description of the educational material should be clear, understandable and short. The method of explanation is used to introduce theoretical materials in the form of information, to give instructions to students on the use of educational tools.

It is necessary to explain a number of problems of the elementary mathematics course by the method of oral explanation. Modern information technologies and special gadgets can also be rationally used in the oral explanation method, which can greatly help students imagine and understand mathematical figures.

**Conversation.** One of the most common and leading teaching methods, it can be used at different stages of the lesson, for different purposes, that is, it can be used to explain, reinforce, repeat new material, check homework assignments, and independent work. possible

**The story.** The teacher can explain knowledge in the form of a story (tale). It is mainly used to provide information about the development of the history of mathematics, the development of measurement systems, and other information related to the history of mathematics.

**Practical methods.** Methods related to the process of formation and improvement of qualifications and skills are practical methods. It can include written and oral exercises, practical laboratory work, and some types of independent work. Exercises are mainly used as a method of strengthening and applying knowledge.

### CONCLUSIONS

Based on the experience of organizing mathematics lessons in elementary grades based on modern pedagogical technologies and on the basis of our research, we offer the following in this direction:

- the teacher should have basic knowledge of modern pedagogical and information technologies, and should constantly work on himself methodically in this field;
- using didactic games that are close to each other in content in each lesson, adding some new elements, paying attention to the correct interpretation of the conditions of didactic games.

### REFERENCES

1. Abdullaeva H.A., Bikboeva N.U. and others. Concept of primary education. - T.: "Primary Education", 2018.
2. ЕРМАТОВА, Р. О. (2018). УПРАВЛЕНИЕ ВРЕМЕННЫМ УЧЕНИЕМ ДЛЯ СТУДЕНТОВ С ОБУЧЕНИЕМ ИНВАЛИДЫ. *Наука среди нас*, (7), 85-88.
3. Ermatova, R. O. (2018). ADVANTAGES OF THE TECHNIQUE "WHAT/HOW/WHY OUTLINES" IN DEVELOPING PRODUCTIVE SKILLS OF THE MEDICAL STUDENTS. *Актуальные проблемы гуманитарных и естественных наук*, (6), 69-71.
4. Utegenova, S., & Rozumova, D. (2024). DIRECTIONS FOR IMPROVING TAX AUDIT. *Modern Science and Research*, 3(6).
5. Utegenova, S., & Mirzabaeva, U. (2024). TODAY'S IMPORTANCE AND PROSPECTS OF AUDIT ACTIVITIES IN UZBEKISTAN. *Евразийский журнал академических исследований*, 4(6), 93-95.
6. Utegenova, S., & Oralbaeva, F. (2024). O'zbekiston iqtisodiyotiga xorijiy investitsiyalar oqimini oshirishda mamlakatning investitsion muhiti jozibadorligini oshirish. *Журнал академических исследований нового Узбекистана*, 1(6), 131-134.
7. Khasanova, S., Akisheva, N., & Zholayeva, M. (2023). Methodological aspects of tax planning in the context of sustainable development. *Revista Gestão & Tecnologia*, 23(3), 286-298.
8. Маматкулов, Б. М., & Нематов, А. А. (2021). Ўзбекистон Республикаси аҳолиси орасида COVID-19 тарқалишининг хусусиятлари.

9. Abdullayeva, N. (2023). AHMAD YASSAWI SECT: THE ISSUE OF ZIKR AND THE STATUS OF ZAKIR. *Modern Science and Research*, 2(5), 438-440.
10. Bazarov, S. (2024). JURNALIST VA BLOGERLAR NUTQI ETIKASI. *Инновационные исследования в современном мире: теория и практика*, 3(1), 36-39.
11. Norqulovich, S. H. (2023, October). NURILLO CHORINING BADIY ASARLARIDA MILLIY KOLORITGA XOS KO ‘RINISHLAR NUTQIY JIHATDAN IFODALANISHI. In *International conference on multidisciplinary science* (Vol. 1, No. 3, pp. 25-29).
12. Ziyodullayeva, M., & Muxtorova, M. (2024). ABDULLA QODIRIY HAYOTI VA IJODIGA AYRIM CHIZGILAR. *NRJ*, 1(3), 860-863.
13. Muxtorova, M. (2024). MAXTUMQULI SHE’RIYATIDA AYTISHUV: AN’ANA VA IZDOSHLIK. *NRJ*, 1(3), 254-257.
14. Tajenova, G., Turdiyeva, G., Qurbanov, A., & Isakov, I. (2020). Current state and development of agricultural products exports of the Republic of Uzbekistan. *Архив научных исследований*, (14).
15. Janabay, I., Gulbahar, T., Gulayda, T., Alisher, Q., & Ilkhambek, I. (2020). Current state and development of agricultural products exports of the republic of uzbekistan. *International Journal of Psychosocial Rehabilitation*, 24(8), 1684-1693.
16. Turdieva, G., Abishov, M., & Muratbaev, I. (2024). THE IMPACT OF CREDIT RISKS ON AN EFFECTIVE ORGANIZATION IN THE FINANCIAL SERVICES OF COMMERCIAL BANKS. *NRJ*, 1(4), 215-225.
17. Beglenov, N., & Muratbaev, I. (2023). HOTEL SERVICES AS AN OBJECT OF STRATEGIC MARKETING ORIENTED TO THE CONSUMER. *Science and Education in Karakalpakstan*, 32(2), 175-177.
18. Xalmuratovich, B. S. (2024). JAHON AMALIYOTIDA AGROKLASTER TIZIMINI SAMARALI TASHKIL ETISH VA YURITISH BO ‘YICHA TO ‘PLANGAN TAJRIBALAR TAHLILI. *Scientific Journal of Actuarial Finance and Accounting*, 4(04), 140-150.
19. Bayjanov, S. X., & Abishov, M. S. (2024). DEVELOPING THE ACTIVITY OF JOINT STOCK COMPANIES BY IMPROVING DIVIDEND POLICY. *Science and innovation in the education system*, 3(3), 94-97.
20. Sultanov, B., Nurimbetov, T., Bayjanov, S., Seyilbekov, B., & Durmanov, A. (2023, October). Trends in change and the current state of the effectiveness of land reclamation measures in agriculture. In *AIP Conference Proceedings* (Vol. 2921, No. 1). AIP Publishing.

21. Байжанов, С. Х. (2023). ВНЕДРЕНИЕ ЦИФРОВИЗАЦИИ В СЕЛЬСКОЕ ХОЗЯЙСТВО НОВОГО УЗБЕКИСТАНА. *BOSHQARUV VA ETIKA QOIDALARI ONLAYN ILMIY JURNALI*, 3(4), 51-53.
22. Omonovna, E. R. (2023). KLINIK ATAMALAR SHAKLLANTIRISHDA SUFFIKSATSIYA USULI VA TA ‘LIM TEXNOLOGIYALARI. *Лучшие интеллектуальные исследования*, 9(3), 198-204.
23. Shodiyeva, G. (2024). O ‘ZBEK VA INGLIZ TILIDA SO ‘ZLARNI TURKUMLARGA AJRATISH MASALALARI. *Interpretation and researches*, (4 (26)).
24. qizi Tursunova, M. A., & qizi Shodieva, G. N. (2023). MAIN INFLUENTIAL FACTORS TO LANGUAGE LEARNING PROCESS. *Educational Research in Universal Sciences*, 2(3 SPECIAL), 1181-1183.
25. Aliyeva, N., & qizi Shodiyeva, G. N. (2023). Ingliz Tilida So ‘Z Turkumlari Tasnifi Masalalari Sharhi. *Scholar*, 1(13), 22-27.
26. Navruza, A. (2023). INGLIZ TILI MORFOLOGIYASIDA SOZ TURKUMLARINI ORGANISH ZARURIYATI. *ITALY" ACTUAL PROBLEMS OF SCIENCE AND EDUCATION IN THE FACE OF MODERN CHALLENGES"*., 14(1).