

THE EFFECTIVENESS OF USING MODERN TEACHING METHODS IN CHESS TRAINING

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Annotatsiya

Ushbu maqolada shaxmat mashg'ulotlarida zamonaviy o'qitish metodlarini qo'llash samaradorligi tahlil qilingan. Shaxmatni o'qitishda innovatsion texnologiyalar, interaktiv platformalar va raqamli tahlil vositalaridan foydalanish o'quvchilarning mantiqiy fikrlash, strategik rejalashtirish hamda mustaqil qaror qabul qilish ko'nikmalarini rivojlantirishda muhim omil bo'lib xizmat qilmoqda. Tadqiqot Toshkent davlat pedagogika universitetining sport faoliyati yo'nalishidagi 40 nafar talabasi ishtirokida olib borildi. Natijalarda zamonaviy metodlar asosida o'qitilgan guruhda shaxmat o'yinini tahlil qilish, raqib strategiyasini oldindan baholash va g'alaba foizi yuqori bo'lgani aniqlangan.

Kalit so'zlar

shaxmat, zamonaviy metodlar, interaktiv ta'lim, strategik fikrlash, raqamli tahlil, sun'iy intellekt.

Abstract

This article analyzes the effectiveness of using modern teaching methods in chess lessons. The use of innovative technologies, interactive platforms, and digital analysis tools in chess teaching is an important factor in developing students' logical thinking, strategic planning, and independent decision-making skills. The study was conducted with the participation of 40 students of the Tashkent State Pedagogical University majoring in sports activities. The results showed that the group trained using modern methods had higher levels of chess game analysis, preliminary assessment of the opponent's strategy, and higher winning percentages.

Key words

chess, modern methods, interactive education, strategic thinking, digital analysis, artificial intelligence.

Introduction. Chess is not only a sport but also an educational tool that develops intellectual thinking. Alongside the rapid development of information technologies in the 21st century, digital and interactive approaches have been

widely introduced in chess education. Using modern methods in chess training helps to develop not only game techniques but also analytical thinking, logical reasoning, and competitive decision-making skills. In recent years, the Uzbek chess school has gained global recognition, which indicates the necessity of improving the chess education system even further. Therefore, applying modern methods such as online platforms, virtual tournaments, and AI-based analytical programs has become an important way to make the teaching process more interactive and effective.

Literature Review. Both foreign and local studies confirm that the use of digital tools in chess teaching improves educational effectiveness. For example, L. Karpov (2022) emphasized the positive effect of interactive learning on concentration and decision-making speed. According to the Uzbekistan Chess Federation (2023), students using online analytical software showed an average improvement of 18% in competition results. Similarly, M. Rasulov (2021) found that applying 'ChessBase' and 'Lichess Study' platforms in chess education improved logical analysis skills by 25%.

Research Methods. The study was conducted among first- and second-year students of the Faculty of Physical Education and Sports at Tashkent State Pedagogical University. The participants were divided into two groups: Experimental group (20 students): trained using modern interactive methods (Chess.com, Lichess.org platforms, and AI-based analytical programs). Control group (20 students): trained using traditional teaching methods. The experiment lasted for three months. Evaluation criteria included game performance, students' strategic planning abilities, self-analysis skills, and tournament win rates.

Results and Discussion. According to the study results, students in the experimental group showed significant improvement in the following indicators:

Indicators	Initial Level	After Experiment	Growth (%)
Strategic thinking skills	68%	88%	+20%
Win percentage in tournaments	42%	63%	+21%
Self-analysis ability	55%	82%	+27%
Motivation and participation activity	70%	91%	+21%

These results show that the use of modern interactive teaching tools significantly improves the quality of chess training. Students' ability to self-reflect, analyze their mistakes, and evaluate their games using artificial intelligence broadens their creative and analytical thinking.

Conclusion. Using modern methods in chess lessons is an essential factor in increasing game efficiency, developing strategic thinking, and strengthening self-learning skills. Teaching through digital platforms ensures that students progress in a competitive environment and promotes active engagement. Therefore, it is crucial to widely implement interactive online resources in chess education in Uzbekistan and to train teachers based on modern digital pedagogy.

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