

THE EFFECT OF DIDACTIC TOOLS ON THE DEVELOPMENT OF PEDAGOGICAL AND SPECIAL SKILLS OF STUDENTS

Boburmirzo Bakhodirugli Kokiyeu

Head of the Department of Engineering and Computer Graphics, (PhD)

Chirchik State Pedagogical University

ABSTRACT

The impact of didactic tools on the development of pedagogical and special abilities of students is discussed. In addition, several examples of pedagogical and special skills development are given.

Keywords: creative activity, special ability, communication, method.

TALABALARNING PEDAGOGIK VA MAXSUS QOBILIYATLARINI RIVOJLANTIRISHGA DIDAKTIK VOSITALARNING TA'SIRI

Boburmirzo Baxodir o'g'li Ko'kiyev

Muhandislik va kompyuter grafikasi kafedrası mudiri p.f.f.d., (PhD)

Chirchiq davlat pedagogika universiteti

ANATATSIYA

Talabalarning pedagogik va maxsus qobiliyatlarini rivojlantirishga didaktik vositalarning ta'siri haqida so'z boradi. Bundan tashqari pedagogic va maxsus qobiliyatlarni rivojlantirish bo'yicha bir qancha misollar keltirilgan.

Kalit so'zlar: ijodiy faoliyat, maxsus qobilyat, kommunikatsi, usul.

INTRODUCTION

Avalo must have a good form of pedagogical abilities in future teachers, and this is one of the most pressing issues of our day.

For the development of students' pedagogical abilities, we present the following recommendations:

Cooperation in the educational process: To develop students' pedagogical abilities, cooperation between teachers and students is necessary. Teachers should acknowledge ideas about how to teach students how to change themselves to self-development and how students teach teachers. As a result of such cooperation, students develop their own pedagogical abilities.

Promoting Creativity: In order for students to promote creativity, they need to learn how to create, learn, and get news in their own learning process. The learning process should have creative ideas, students will gain more experience and knowledge, which will help them develop their pedagogical abilities.

Expressing one's opinion: Students learn to express themselves, and also learn to understand and influence their opinions on others. This helps students to develop themselves.

Learning self-government: Students learn self-government, work with others, and other forms of life, which contribute to the development of students' own pedagogical abilities.

Implicability and Accountability: To help students develop their performance and accountability, they learn to fulfill their tasks, come up with future plans, and make sure they have fulfilled them. These abilities are important in the development of students' pedagogical abilities.

Self-assessment: Students learn to self-assess and master. This helps them understand that they are changing themselves depending on what they do.

These are factors for developing the pedagogical abilities that prospective teachers need to know. In addition, the teacher must have acquired special knowledge, skills and abilities.

The following are many facts about the pedagogical and special abilities of students. The emphasis will be placed on allowing the development of these skills, as well as teaching and supporting them to students. Here are a few of the special skills we will consider:

Communication Skills: If students' communication skills are good, they can generate themselves well in understanding and explaining to others. They also understand how to understand and interview their teachers, students, and other questionnaire creators.

Reliable and working abilities: It is very important to develop students' reliable and working abilities, to develop them on their own, and to provide the students with the support they need. They learn to trust themselves and act.

The ability to solve problems: Developing the ability to learn and solve problems is important for students' lives. This ability teaches students how to find solutions to solve problems and helps them learn how to look for and find solutions.

Mechanical and intellectual abilities: Mechanical and intellectual abilities are related to students' ability to calculate, analyze, find solutions and solve solutions. This will help students gain a wider range of opportunities in the learning process, increasing the development of skills.

Culture and Social Skills: Students learn about developing culture and social abilities, talking to their neighbors, creating relationships, other cultures and societies. These skills help them understand the world and adapt to a global society.

For example, interactive textbooks, videos, electronic learning programs, and other new technologies will enhance students' learning. These tools help students to adapt themselves to self-evaluation, learning and learning in the learning process.

In addition, the consistent and concepts of students in the learning process are shaped by the influence of all didactic tools. For example, motivating a teacher to enhance student contact and high-level teaching methods can help improve the quality of widespread teaching.

To further develop these, teachers need to analyze methods of identifying and adapting students' special abilities. At the same time, the role of didactic tools is enormous: organizing a learning process that is suitable for students and helping them choose their own method of learning.

Didactic tools are important in mastering the learning process and remembering the information they have learned. These tools help students master and memorize, analyze learning methods.

The role of didactic tools includes:

Includes the learning process: Interactive textbooks, videos, electronic learning programs and other new technologies will enhance students' learning and include the learning process.

Changes teaching methods: The consistent and concepts of students in the study are shaped by the influence of all didactic tools. Motivating and high-level teaching methods to enhance student-teacher connectivity can help improve widespread teaching.

Students help with self-evaluation: Didactic tools help students to adapt themselves to self-evaluation, learning, and learning in the learning process.

It helps evaluate the results of the study: Didactic tools help students evaluate the results of the study and evaluate students' learning processes.

For further development of these, teachers need to analyze the methods of identifying special abilities of students and learning that corresponds to them. At the same time, the role of didactic tools is enormous: organizing a learning process that is suitable for students and helping them choose their own method of learning.

Instead, we will briefly report on the didactic vocabulary:

Didactic tools are technological tools that help students learn themselves in the learning process. These tools will help analyze learning methods and improve students' learning.

Some of the following didactic tools are commonly used:

Interactive textbooks: These tools allow students to evaluate themselves in the learning process and create an interactivity to master the learning process.

Videos: Videos are highly effective for the reader to learn and master information, providing an engaging one for the reader and a stronger hearing and vision of the information.

Electronic Education Programs: Electronic learning programs help students improve and master their learning. These programs provide the following opportunities for students: taking a test, mastering and memorizing the information they have learned.

Virtual teaching: Virtual learning is very effective in strengthening the relationship between teachers and students, allowing the student to improve the feelings they are interested in and experienced.

Teaching Games: Teaching games are fun for students and are very effective in mastering the learning process, allowing them to evaluate themselves in the learning process.

Didactic tools help students improve information in the learning process and make learning more interesting and effective.

AVAILABLE LITERATURE

1. Султанов Х.Э, Анкабоев Р. “Ёш мусаввир тўғараги” Услубий қўлланма / Низомий номидаги ТДПУ// Т.:2017: - Б. 64;
2. Kukiev Boburmirzo Bahodir Ugli, (2020) Problem-based learning technology in teaching auxiliary projection techniques. Journal of Critical Reviews, 7(6), 917-921.
3. Sh.K.Murodov. E.M.Mirzayev Hayitov.J.M. (2021). Определяя параметров отсеков поверхностей второго порядка по заданному объему central asian journal of mathematical theory and computer sciences. Муғаллим ҳам ўзликсиз билимлендириў, Volume 02 Issue 05. ISSN 2660-5309.
4. Hayitov.J.M. (2022). Muhandislik grafikasi fanlarini axborot-kommunikasiya texnologiyalari yordamida o'qitish orqali talabalarni ijodkorlik qobiliyatini oshirish. Science and education scientific journal. ISSN 2181-0842.VOLUME 3, ISSUE 11.
5. N. Valiyev. Drawing. (geometric drawing). Tutorial. – Т.: 2013.

6. Pulat Adilov,. (2018). New View to Executing Sketch and Technical Drawing Eastern European Scientific Journal (ISSN 2199-7977) Journal 102-104.
7. Jumayev.I.O. (2021) Methods and importance of applying a three-dimensional phase in engineering graphics using auto cad. "Mualym' Long-lasting Blymlender" 99-101-b.
8. Sultanov Kh.E., Marasulova I.M., Bakhriev I.S., Ankabaev R.T. The Need for Creation of a Cluster of Pedagogical Innovations in the System of Continuous Education / International Journal of Psychosocial Rehabilitation, ISSN: 1475-7192// Vol. 24, Issue 05, 2020: -R. 6586-6591.
9. Jumayev. I.O. (2021) Methods of adapting (teaching) the program's existing complexities to drawing manually when drawing drawings in an autocad program. Муғаллим ҳам ўзликсиз билимлендириў. 94-99-b.
10. Ш.К., Муродов (2019). Лойиҳалаш ишларида кўпёқликларни ўрганишга бўлган зарурият ҳақида. “Фарғона давлат университети “тасвирий санъат ва мусиқа фани ўқитувчиларини тайёрлашнинг долзарб муаммолари” мавзусида республика илмий - амалий анжумани материаллари”. 26-29.
11. Shaydulloyevich, B. K. (2020). Increasing students’ graphic literacy through teaching the sciences of drafting and descriptive geometry. European Journal of Research and Reflection in Educational Sciences, 8 (4), Part II, 75-78.
12. Achilov Nurbek Norboy o‘g‘li, Bekqulov Qudrat Shaydulloyevich, Ko‘kiyev Boburmirzo Bahodir o‘g‘li & Jumayev Isroil Omandovlat o‘g‘li (2020). Methods of developing creative abilities in children. European Journal of Research and Reflection in Educational Sciences, 8 (10), Part II, 151-153.
13. Bekqulov Qudrat Shaydulloyevich., Kukiyeв Boburmirzo Bahodir ugli., Avazova Guzal Rustambek qizi. (2020). The works in the framework of five initiatives at chirchik state pedagogical institute in tashkent region. EPRA International Journal of Research and Development, 5 (3), p. 411-412.
14. Boizaqova, S. A., Bekqulov Q.Sh. (2021). Ko‘rinishlar mavzusni tushuntirishda detal modelini o‘ziga qarab o‘rganishning ahamiyat. Academic research in educational sciences, 2(3), 96-101.
15. Ko‘kiyev, J. S., Bekqulov Q.Sh. (2021). Muhandislik grafikasi fanlarini boshqa fanlar bilan bog‘liqligi. Academic research in educational sciences, 2(3), 34-39.
16. Bekkulov Q.Sh. (2021). Increase students' graphic literacy by teaching drawing and drawing geometry subjects. "Econum and Socium" No. 10(89), C. 1314-1319.
17. Bekkulov Q.Sh. (2021). Developing students' extraordinary impressions using methods of reconstruction of orthopaedic projections. "Econum and Socium" No. 10(89), C. 1314-1319.
18. Q.SH. Bekkulov. (2020) Increase students' graphical literacy by teaching drawing and drawing geometry. School and Life, No. 2, 3-4.
19. Achilov N N., Ko'Kiev. B.B., Bekqulov.Q.Sh., Designing using AutoCAD in performing illustrated procedures, Modeling, and Handling, No. 2, 122-125.
20. Bekkulov Q.Sh., To'laganova H. Use unfinished drawings to enhance students' extraordinary imagination. Mualym, No. 3, 111-113.
21. Boizaqova Sh.A., Bekkulov Q.Sh. The importance of studying the detail model in understanding the subject. Муғаллим ҳам ўзликсиз билимлендириў, № 3, 117-120.

22. Bekkulov Q.Sh., Boizaqova Sh.A. The relationship between science and other subjects in mathematics graphics. Муғаллим ҳам ўзликсиз билимлендириў, № 3, 113-117.
23. Bekkulov Q.Sh. Measures to prevent the systematic and prognosis of typical mistakes made by students. Mualym, No. 3, 105-107.
24. Sh.K.Murodov.E.M.Mirzayev Hayitov.J.M. (2021). Определяя параметров отсеков поверхностей второго порядка по заданному объему central asian journal of mathematical theory and computer sciences. Муғаллим ҳам ўзликсиз билимлендириў, Volume 02 Issue 05 | . ISSN 2660-5309.
25. Achilov Nurbek Norboy o'g'li (2020). The use and importance of the three-dimensional features of the auto cad program in drawing projects in public schools. European Journal of Research and Reflection in Educational Sciences, 8 (3) Part II, 189-192.
26. Kukiev, B., O'g'li, N. N. & Shaydulloyevich, B. Q. (2019). Technology for creating images in autocad. European Journal of Research and Reflection in Educational Sciences, 7 (12), 49-54.
27. Achilov Nurbek Norboy o'g'li (2020). Pedagogical and psychological fundamentals of formation of space imagination and creative ability in students. European Journal of Research and Reflection in Educational Sciences, 8 (4), Part II, 38-40.
28. Design Achilov N.N., Ko'kiev B.B., Bekkulov Q. Sh. Using autocad software to perform images. Lymyematodic juice No. 2 2020 ISSN 2181-7138.
29. Achilov N.N. (202). Formation of extraordinary imagination of students by performing simple cuttings in drawing. The mythical and long-lasting lymlededy of the lymedic juice No. 2 ISSN 2181-7138.
30. Achilov Nurbek Norboy Uglu Methods of Using Game Technologies in the Development of Lesson Effectiveness and Creative Abilities in Drawing Lessons International Journal of Psychosocial Rehabilitation, Vol. 24, Issue 05, 2020 ISSN: 1475-7192.
31. Khalimov Moxir, Achilov Nurbek, Bekkulov Power, Hojakulov Elbek, Ko'kiev Boburmirzo (2020). Some ways to find corners in drawing and drawing geometry. Pheasing of the pheasers, 4(1), 47-52.
32. Mokhir, K., Nurbek, A., Qudrat, B., Elbek, K., & Boburmirzo, K. (2020). Some methods of finding angle in the sciences of drawing and drawingmetry. journal of physics and mathematics, 4(1), 47-52.
33. Achilov, N. N. O. (2020). Teaching drawing lessons in schools metodlari and the principles of organizing them. Academic research in educational sciences, (3), 280-286.
34. Achilov, N. N. (2020). Develop students' spatial imagination by making simple cuts in drawing. Муғаллим ҳам ўзлуксиз билимлендириў илимийметодикалык журнали № 2 2020 ISSN 2181, 7138.
35. Ugli, A. N. N., Saidazimovich, B. I., & Jabbarovich, M. M. (2020). Muhandislik grafikasida multimediyaning tutgan o'rni. Academic research in educational sciences, (4), 639-646.
36. Achilov, N. N. (2022). Bo'lajak pedagoglarning kreativligini rivojlantirish usullari. Academic Research in Educational Sciences, 3(6), 650-654.
37. Achilov Nurbek Norboy ugli (2021). The use of simple clippings to form a spatial image. "Экономика и социум", 10(89), 1307-1312.

38. Achilov, N. N. (2020). Methods of increasing the effectiveness of the lesson using visual aids in the teaching of drawing science. *Экономика и социум*, (11), 35-39.
39. Qudrat Shaydulloyevich Bekqulov, Yig'ish chizmalarini detallarga ajratishda yo'l qo'yadigan tipik xatolar. *Academic research in educational sciences*, 1 (3), 321-325.
40. Khalimov M., Bekkulov Q. The need to use interactive methods to teach a drawing fan. *Mualym*, No. 3, 102-105.
41. Bekkulov Q.Sh., To'laganova H. Typical errors in engineering graphics that students make in drawings. *Mualym*, No. 3, 107-111.
42. Kokiyeu, B.B. (2020). Present-day problems of drawing science. *European Journal of Research and Reflection in Educational Sciences*, 8 (4), 203-205.
43. Valiev, Azamjon Nematovich. "About the prospective characteristics of simple geometric shapes and the issues of studying it." *Central Asian Journal of Theoretical and Applied Sciences*, 2.4 (2021): 54-61.
44. Boburmirzo, Kukiev., Achilov, Nurbek, Norboy o'g'li & Bekqulov, Qudrat, Shaydulloyevich. (2019). Technology for creating images in autocad. *European Journal of Research and Reflection in Educational Science*. 7 (12), 49-54-220.
45. Singh R. R., Kumar K., Bagchi G. te Effectiveness of Computer Aided Instruction (CAI) as a Supplementary Tool for Teachers in Classroom Teaching.
46. Sampedro, G. A., Rachmawati, S. M., Ugli, K. S. D., Kim, D. S., & Lee, J. M. SimuPrint: A Printing Path Simulation Tool for Additive Manufacture.
47. Analysis of the works of artists created by a woman and a mother in modern and national fine art in Uzbekistan .—*Science and Education*. – 2022. – T. 3. – No. 1. – C. 765-770.
48. Bo L. N. Web-Based Learning Environment and Effectiveness of Zoom Classes: The Moderating Role of Teacher Attitude in Online Setting //*Higher Education and Oriental Studies*. – 2021. – T. 1. – No. 1.
49. Норбоева Д. О. Суд–қонун устуворлигининг асоси //*Scientific progress*. – 2021. – T. 2. – No. 2. – C. 1243-1247.
50. Boburmirzo Bakhodir ugli Kokiyeu. (2022). USING COLLABORATIVE LEARNING TECHNOLOGIES IN DRAWING LESSONS. *Galaxy International Interdisciplinary Research Journal*, 10(11), 212–215.
51. Adilov, P., Tashimov, N., & Seytimbetov, S. (2019). Computer-Test Control of Knowledge of Students in Engineering Graphics. *International Journal of Progressive Sciences and Technologies (IJPSAT)*, 17(2), 193-195.
52. Seytimbetov, S. M. (2022). Developing students' creativity through the parameterization of geometric shapes. *Boschka in Ethyk Ceale*, 2(3), 27-32.
53. Maratovich, S. S. (2022). The role of digital technologies in the development of the structural capacity of students. *Conference*, 50-53.
54. Maratovich, S. S. (2022). The Role of Creative Issues in Developing Students' Design Ability. *Central asian journal of arts and design*, 3(5), 21-27.
55. Maratovich, S. S. (2022). Development of students' creative abilities through construction issues. *Modern education: problems and solutions*, 1, 114-119.
56. Samat Maratovich Seytimbetov (2022). Muhandislik kompyuter grafikasi fanidan foydalanib talabalarning ijodkorlik qobiliyatini rivojlantirish. *Science and Education*, 3

- (11), 829-833.
57. Muradov, Sh. K., Tashimov, N. E., & Rakhmatova, I. I., Kukiev B. B. (2017). Cross-section of surfaces of the 2nd order of general appearance along an ellipse of a given area. *Young Scientist*, (50), 99-102.
58. Baxodir o'g, K. K. B. (2022, June). Yordamchi proyeksiyalash usulining proyeksiyalash usullaridan farqli jixatlari. In *E Conference Zone* (pp. 327-328).
59. Ko'kiev, Boburmirzo. "The problems of drawing and drawing geometry today." *PEDAGOGS Journal 2.2* (2022): 4-7.
60. Ko'kiev, Boburmirzo. "The problems of drawing and drawing geometry today." *Journal of Pedagogy 2.2* (2022): 4-7.
61. Son of Ba'sha'drach, Me'shach and A'bed'ne'go. "Drawing and drawing are some of the problems in teaching geometry." *National development and innovation in the new world* (2022): 268-271.
62. Nurmuradovich, Eshhov Ahmedjon. "Innovative methods of teaching students to do geometric making in drawing lessons." *Online Research Journal of Educational and Developmental Analysis* (2022): 109-110.
63. Ko'kiev, the son of Sha'drach, Me'shach and A'bed'ne'go. (2021). *Learning Manual / Trusted Partner*.
64. Kukiev, Boburmirzo Bahodir Ugli. "Chizmachilik va chizma geometriya fanlarini rivojlanish tarixi." *Academic research in educational sciences 3* (2020): 309-314.
65. Chenfeld, Mimi Brodskiy. *Yosh bolalar uchun ijodiy tajribalar*. Heinemann, Greenwood Publishing Group, Inc., 88 Post Road West, PO Box 5007, Westport, CT 06881-5007, 2002.
66. ugli Kokiyev, B. B. (2022). Use bathroom learning technologies in drawing lessons. *Galaxy International Interdisciplinary Research Journal*, 10(11), 212-215.
67. Boburmirzo, K. O. K. I. Y. E. V. "METHODODOLOGICAL EFFICIENCY OF SOLVING POSITIONAL PROBLEMS IN THE AUXILIARY PROJECTION METHOD." *Public Education* (2021): 49-51.
68. ugli Kokiyev, Bahodir. "USE BATHROOM LEARNING TECHNOLOGIES IN DRAWING LESSONS." *Galaxy International Interdisciplinary Research Journal* 10.11 (2022): 212-215.
69. Ozodboyev, I. O. (2022). DRAWING ASSEMBLY DRAWINGS USING AUTOCAD COMPUTER GRAPHICS SOFTWARE. *Galaxy International Interdisciplinary Research Journal*, 10(11), 1085-1091.
70. Юсупов, У. Қ. "ЎРАТТИШ ОРҚАЛИ ТАЛАБАЛАРДА ЭСТЕТИК ТАРБИЯНИ РИВОЖЛАНТИРИШ." *Academic research in educational sciences 3.12* (2022): 498-505.