

Date: 21st December-2024

**BOLALARNI NUTQINI RIVOJLANTIRISHNING NEYROPEDAGOGIK
XUSUSIYATLARI**



Sidiqova Yulduz Sobirovna
Osiyo xalqaro universiteti o'qituvchisi

Annotatsiya: Mazkur maqolada bolalarni nutqini rivojlanirishda neyropedagogik yondashuvlarning ahamiyati tahlil qilingan. Nutq rivojlanishi bilan bog'liq asosiy omillar, bolalarning individual xususiyatlari va miyaning rivojlanish bosqichlariga asoslangan yondashuvlar ko'rib chiqiladi. Shuningdek, neyropedagogikaning asosiy tamoyillari va usullari orqali bolalar nutqini rivojlanirish samaradorligini oshirish yo'llari o'rganilgan. Tadqiqot natijalari ushbu sohada innovatsion yondashuvlarni qo'llash imkoniyatlarini ochib beradi.

Kalit so'zlar: neyropedagogika, nutq rivojlanishi, miyaning rivojlanishi, individual yondashuv, ta'lif usullari, bolalar nutqi.

Kirish

Nutq insonning eng muhim kommunikatsiya vositalaridan biri bo'lib, uning rivojlanishi bolalar ta'lifi va ijtimoiylashuvi jarayonida alohida ahamiyat kasb etadi. Ayniqsa, nutq rivojlanishi miyaning neyrobiologik rivojlanishiga chambarchas bog'liq. Zamonaviy neyropedagogika ushbu jarayonlarni ilmiy asosda o'rganib, ta'lif va tarbiya jarayonida miyaning tabiiy imkoniyatlarini samarali ishlatish usullarini taklif etadi.

Bolalar nutqining rivojlanishi nafaqat biologik, balki ijtimoiy va psixologik omillarga ham bog'liq. Bu esa ta'lif jarayonida individual yondashuvni talab qiladi. Neyropedagogikaning asosiy maqsadi — har bir bolaning o'ziga xos imkoniyatlarini hisobga olib, ularning nutqini rivojlanirishga yo'naltirilgan samarali metodlarni ishlab chiqishdir. Ushbu maqolada bolalar nutqini rivojlanirishda neyropedagogikaning imkoniyatlari va uning amaliy ahamiyati yoritiladi.

Asosiy qism

Neyropedagogikaning mohiyati va ahamiyati

Neyropedagogika — bu ta'lif va tarbiyada neyrobiologiya va pedagogikaning integratsiyasiga assoslangan yangi yo'nalishdir. U bolalarning miyasidagi neyron tarmoqlarning shakllanish va rivojlanish jarayonlarini hisobga olgan holda ta'lif dasturlarini ishlab chiqishni taklif etadi. Neyropedagogik yondashuv nutq rivojlanishini quyidagi jihatlarda qo'llab-quvvatlaydi:

4. **Individuallik:** Har bir bolaning rivojlanish darajasini va miyaning funksional xususiyatlarini hisobga olish.

5. **Integrativ yondashuv:** Nutq rivojlanishini har tomonlama — eshitish, ko'rish, hissiyat va motorik faoliyat orqali rivojlanirish.

6. **Bosqichma-bosqich rivojlanish:** Bolalarning yoshiga mos bosqichlarni e'tiborga olish.

Date: 21st December-2024

Nutq rivojlanishiga ta'sir qiluvchi neyrobiologik omillar

Bolalarning nutqini shakllantirishda miyaning chap yarim sharidagi Broka va Vernike zonalarining faoliyati muhim rol o'ynaydi. Ushbu zonalarning rivojlanishi bilan bog'liq bo'lgan omillar quyidagilardir:

- **Genetik omillar:** Nutq qobiliyatining rivojlanishi ba'zan genetik omillarga bog'liq.
- **Tashqi muhit ta'siri:** Oilaviy muhit, tilga oid muhit va o'yinlar.
- **Yoshga xos xususiyatlar:** Bola miyasi erta yoshda o'zining eng yuqori moslashuvchanlik darajasiga ega bo'ladi.

Nutqni rivojlantirishda qo'llaniladigan neyropedagogik usullar

Neyropedagogik yondashuvda quyidagi usullar samarali deb topilgan:

5. **Multisensor yondashuv:** Turli hissiyotlarni jalb qiluvchi o'yinlar va mashqlar orqali bolalarning nutq faolligini oshirish.
6. **Kognitiv stimulyatsiya:** Mantiqiy o'yinlar va vazifalar orqali bolaning nutq qobiliyatini rivojlanirish.
7. **Tinglash va qayta hikoya qilish texnikasi:** Bolalarning eshitish va qayta aytish qobiliyatlarini rivojlanirish uchun audiomateriallardan foydalanish.
8. **Interaktiv metodlar:** Guruhda ishslash va dialoglar orqali nutqni rag'batlantirish.

Neyropedagogikaning ta'lim jarayoniga qo'shgan hissasi

Neyropedagogika ta'lim jarayonida quyidagi natijalarni beradi:

- Ta'lim dasturlarining samaradorligini oshirish.
- Bolalarda o'z-o'zini anglash va ijtimoiy ko'nikmalarni rivojlanirish.
- Nutq bilan bog'liq buzilishlarni oldini olish va davolash.

Xulosa

Bolalarning nutqini rivojlanirishda neyropedagogik yondashuv zamonaviy ta'lim tizimi uchun muhim ahamiyatga ega. Ushbu yondashuv miyaning rivojlanish xususiyatlarini inobatga olib, har bir bolaning individuallagini e'tiborga oladi. Neyropedagogikaning amaliyotda qo'llanilishi nafaqat nutq rivojlanishiga, balki bolalarning umumiyl intellektual va ijtimoiy rivojlanishiga ham ijobiy ta'sir ko'rsatadi. Shu sababli, ta'lim tizimida ushbu yondashuvni keng joriy etish dolzarb vazifalardan biridir.

ADABIYOTLAR:

1. O'ktam qizi Shukurova, M. (2023). Speech grow up in training using interactive methods. *American Journal of Public Diplomacy and International Studies* (2993-2157), 1(10), 357-360.
2. O'ktam qizi Buxoro, S. M. (2022). BOLANING NUTQINI RIVOJLANTIRUVCHI O'YINLAR. *PEDAGOGS jurnali*, 1(1), 484-486.
3. Oktam's, S. M. (2023). Methods and Tools of Speech Development of Small Group Children in Preschool Education Organization. *American Journal of Public Diplomacy and International Studies* (2993-2157), 1(9), 104-108.

**METHODS OF APPLYING INNOVATIVE AND DIGITAL TECHNOLOGIES IN THE
EDUCATIONAL SYSTEM.
International online conference.**

Date: 21stDecember-2024



4. O'ktam qizi Shukurova, M. (2023). The importance of genres of folklore in the education of preschool children. *TECHNICAL SCIENCE RESEARCH IN UZBEKISTAN*, 1(5), 96-99.
5. Shukurova, M. (2023). METHODS AND METHODS OF INCREASING CHILDREN'S SPEECH IN A PRESCHOOL ORGANIZATION. *Modern Science and Research*, 2(10), 477-480.
6. Shukurova, M. O. K. (2024). Growing children's speech in the process of introducing them to the environment and nature. *Multidisciplinary Journal of Science and Technology*, 4(3), 130-135.
7. Shukurova, M. (2024). OILADA FARZAND TARBIYASIDA OTANING ROLI. *ZAMONAVIY TARAQQIYOTDA ILM-FAN VA MADANIYATNING O'RNI*, 3(2), 162-167.
8. O'ktamovna, S. M. (2024). MAKTABGACHA TA'LIMDA TABIAT BURCHAGINI TAYYORLASH. *Multidisciplinary Journal of Science and Technology*, 4(3), 661-667.
9. O'ktamovna, S. M. (2024). EXTRACURRICULAR ACTIVITIES IN PRIMARY GRADES. *Multidisciplinary Journal of Science and Technology*, 4(3), 654-660.
10. O'ktamovna, S. M. (2024). PREPARATION OF THE NATURE CORNER IN PRESCHOOL EDUCATION. *Multidisciplinary Journal of Science and Technology*, 4(3), 675-681.
11. SHUKUROVA, M. (2024). NEUROPEDAGOGY AS A FOUNDATION FOR INCREASING THE EFFECTIVENESS OF THE EDUCATIONAL PROCESS. *Mental Enlightenment Scientific-Methodological Journal*, 5(07), 1-8.
12. O'ktamovna, S. M. (2024). BOLALAR NUTQINING TOVUSH MADANIYATINI SHAKLLANTIRISH. *PEDAGOG*, 7(5), 48-55.
13. ПОДГОТОВКА УГОЛОКА ПРИРОДЫ В ДОШКОЛЬНОМ ОБРАЗОВАНИИ
МУ Шукрова - *Multidisciplinary Journal of Science and Technology*, 2024
14. Sobirovna, S. Y. (2023). O'YIN ORQALI BOLA TAFAKKURI VA NUTQINI OSTIRISH. *SAMARALI TA'LIM VA BARQAROR INNOVATSIYALAR*, 1(3), 93-99.
15. Yulduz, S. (2023). KREATIV YONDASHUVLAR ASOSIDA BOLALAR NUTQI VA TAFAKKURINI RIVOJLANТИRISH. *ОБРАЗОВАНИЕ НАУКА И ИННОВАЦИОННЫЕ ИДЕИ В МИРЕ*, 23(2), 87-92.
16. Yulduz, S. (2023). MAKTABGACHA YOSHIDAGI BOLALARDA EKOLOGIK TA'LIM BERISHNING O'ZIGA XOSLIGI. *ОБРАЗОВАНИЕ НАУКА И ИННОВАЦИОННЫЕ ИДЕИ В МИРЕ*, 21(3), 124-129.
17. Sobirovna, S. Y. (2022). PEDAGOGNING KREATIVLIGI BOLALAR IJODIY RIVOJLANISHINING ZARUR SHARTI. *PEDAGOGS jurnali*, 1(1), 219-220.
18. Sobirovna, S. Y. (2022). KICHIK MAKTAB YOSHIDAGI O'QUVCHILAR BILISH FAOLIYATINI RIVOJLANТИRISHNING PEDAGOGIK PSIXOLOGIK XUSUSIYATLARI. *PEDAGOGS jurnali*, 1(1), 158-160.
19. Sobirovna, Y. S. (2023). Methods and Tools of Economic Education in Preschool Children. *American Journal of Public Diplomacy and International Studies* (2993-2157), 1(9), 109-115.
20. Sobirovna, S. Y. (2023). METODIST FAOLIYATI ASOSLARI. *SAMARALI TA'LIM VA BARQAROR INNOVATSIYALAR*, 1(5), 108-114.

**METHODS OF APPLYING INNOVATIVE AND DIGITAL TECHNOLOGIES IN THE
EDUCATIONAL SYSTEM.
International online conference.**

Date: 21stDecember-2024

21. Sobirovna, S. Y. (2023). Creativity in the work of an educator. American Journal of Public Diplomacy and International Studies (2993-2157), 1(10), 361-367.
22. Sobirovna, S. Y. (2024). MAKTABGACHA TA'LIMDA NUTQ, MULOQOT OQISH VA YOZISH MALAKALARINING SOHALARI. *TECHNICAL SCIENCE RESEARCH IN UZBEKISTAN*, 2(1), 52-62.
23. Yulduz, S. (2024). SYUJETLI-ROLLI OYINLARNING BOLA FAOLIYATIDAGI AHAMIYATI. *TECHNICAL SCIENCE RESEARCH IN UZBEKISTAN*, 2(1), 44-51.
24. Sobirovna, S. Y. (2024). AESTHETIC EDUCATION AS A TOOL TO LEAD CHILDREN TO PERFECTION. *МЕДИЦИНА, ПЕДАГОГИКА И ТЕХНОЛОГИЯ: ТЕОРИЯ И ПРАКТИКА*, 2(2), 354-367.
25. Yulduz, S. (2024). Estetik tarbiya bolalarni komillikka yetaklovchi vosita sifatida. *TECHNICAL SCIENCE RESEARCH IN UZBEKISTAN*, 2(2), 95-106.
26. G'aniyevna, P. R. F. (2022, June). MAKTABGA TAYYORLOV GURUHLARI UCHUN SAVODXONLIKKA O'RGATISH MASHG'ULOTLARIDA, A''HARFTOVUSHINI O'RGATISH METODIKASI. In *E Conference Zone* (pp. 38-41).
27. Tojiddinovna, I. F. A. (2024). Tarbiya turlari va ularning shaxs kamolotiga ta'siri. *Multidisciplinary Journal of Science and Technology*, 4(2), 429-435.
28. Tajiddinovna, I. F. (2024). Types of education and their impact on personality development. *Multidisciplinary Journal of Science and Technology*, 4(2), 469-475.
29. Tajiddinovna, I. F. A. (2024). THE ISSUE OF EDUCATION IN PRIMARY EDUCATION. *Multidisciplinary Journal of Science and Technology*, 4(3), 615-620.
30. Isomova, F. T. (2024). Виды образования и их влияние на развитие личности. *Multidisciplinary Journal of Science and Technology*, 4(2), 461-468.
31. Tajiddinovna, I. F. A. (2024). FIRST STEP PROGRAM IN PRESCHOOL EDUCATION. *Multidisciplinary Journal of Science and Technology*, 4(3), 609-614.
32. Tojiddinovna, I. F. A. (2024). MAKTABGACHA TA'LIM JARAYONIDA BOLALARNING IJTIMOIY MOSLASHUVI. *Multidisciplinary Journal of Science and Technology*, 4(3), 590-595.
33. Tojiddinovna, I. F. A. (2024). MAKTABGACHA TA'LIMDA "ILK QADAM" DASTURI. *Multidisciplinary Journal of Science and Technology*, 4(3), 603-608.
34. Isomova, F. A. T. Q. (2022). MAKTABGACHA TALIM TASHKILOTLARIDA BOLALARNI MAKTAB TA'LIMIGA TAYYORLASHDA NUTQ O'STIRISH MASHG'ULOTLARINING AHAMIYATI. *Oriental renaissance: Innovative, educational, natural and social sciences*, 2(1), 947-949.
35. Akbarovna, I. S. (2023). YOSHLARDA DESTRUKTIV G'OYALARGA QARSHI IMMUNITET HOSIL QILISH OMILLARI.
36. Akbarovna, I. S. (2023). TALABA YOSHLARDA MAFKURA TUSHUNCHASI VA MAFKURAVIY IMMUNITETNI SHAKLLANTIRISH.
37. Ikromova, S. A. (2023). Cognitive processes and their description in psychology. *TECHNICAL SCIENCE RESEARCH IN UZBEKISTAN*, 1(5), 115-133.
38. Akbarovna, I. S. (2024, April). BOSHLANG'ICH SINFLARDA SINFDAN TASHQARI MASHG 'ULOTLAR. In International conference on multidisciplinary science (Vol. 2, No. 4, pp. 27-32).

**METHODS OF APPLYING INNOVATIVE AND DIGITAL TECHNOLOGIES IN THE
EDUCATIONAL SYSTEM.
International online conference.**

Date: 21stDecember-2024



39. Akbarovna, I. S. (2024, April). BOSHLANG'ICH TA'LIMDA TA'LIM MASALASI. In International conference on multidisciplinary science (Vol. 2, No. 4, pp. 21-26).
40. Ikromova, S. A. (2023). FACTORS IN THE DEVELOPMENT OF IMMUNITY TO DESTRUCTIVE IDEAS IN ADOLESCENTS. Innovation in Science, Education and Technology.
41. Ikromova, S. (2023). Formation of ideological immunity to destructive information in teenagers. Modern science and research, 2(5), 1009-1014.
42. Ikromova, S. (2023). CONCEPT OF IDEOLOGY AND FORMATION OF IDEOLOGICAL IMMUNITY IN YOUTH STUDENTS. Modern Science and Research, 2(6), 1223-1226.
43. Ikromova, S. (2024). PEDAGOGIK TEXNOLOGIYA SHAKLLARI VA MAZMUNI. Multidisciplinary Journal of Science and Technology, 4(3), 918-924.
44. Akbarovna, I. S. (2023). Formation of Ideological Immunity to Destructive Information in Adolescents. American Journal of Public Diplomacy and International Studies (2993-2157), 1(10), 119-122.
45. Akbarovna, I. S. (2024). THE IMPORTANCE OF COMPARATIVE PEDAGOGY IN PRESCHOOL EDUCATION. MASTERS, 2(8), 22-27.
46. Akbarovna, I. S. (2024). O'QITUVCHINING KASBIY MALAKALARI. MASTERS, 2(8), 15-21.
47. Akbarovna, I. S. (2024). ЗНАЧЕНИЕ СРАВНИТЕЛЬНОЙ ПЕДАГОГИКИ В ДОШКОЛЬНОМ ОБРАЗОВАНИИ. PSIXOLOGIYA VA SOTSILOGIYA ILMUY JURNALI, 2(7), 14-20.
48. Akbarovna, I. S. (2024). ПРОФЕССИОНАЛЬНЫЕ НАВЫКИ УЧИТЕЛЯ. PSIXOLOGIYA VA SOTCILOGIYA ILMUY JURNALI, 2(7), 7-13.
49. Akbarovna, I. S. (2024). PROFESSIONAL SKILLS OF THE TEACHER. WORLD OF SCIENCE, 7(8), 1-7.
50. Akbarovna, I. S. (2024). MAKTABGACHA TA'LIMDA Qiyosiy PEDAGOGIKANING AHAMIYATI. WORLD OF SCIENCE, 7(8), 8-13.
51. Akbarovna, I. S. (2024). SPORT O 'YINLARI REJASI ORQALI SOG 'LOM TURMUSH TARZINI SHAKLLANTIRISHNING PSIXOLOGIK OMILLAR. MASTERS, 2(5), 91-97.
52. Akbarovna, I. S. (2024). A HEALTHY FAMILY ENVIRONMENT AS A SOCIAL FACTOR IN PREPARING YOUNG PEOPLE FOR FAMILY LIFE. WORLD OF SCIENCE, 7(5), 529-535.
53. Akbarovna, I. S. (2024). ЗДОРОВАЯ СЕМЕЙНАЯ СРЕДА КАК СОЦИАЛЬНЫЙ ФАКТОР ПОДГОТОВКИ МОЛОДЕЖИ К СЕМЕЙНОЙ ЖИЗНИ. MASTERS, 2(5), 98-104.
54. Ikromova, S. (2024). FORMS AND CONTENT OF PEDAGOGICAL TECHNOLOGY. Multidisciplinary Journal of Science and Technology, 4(3), 933-939.
55. Akbarovna, I. S. (2024). MASTERING THE BASICS OF PEDAGOGICAL SKILLS. Multidisciplinary Journal of Science and Technology, 4(3), 882-887.
56. Akbarovna, I. S. (2024). ПСИХОЛОГИЧЕСКИЕ ФАКТОРЫ ФОРМИРОВАНИЯ ЗДОРОВОГО ОБРАЗА ЖИЗНИ ЧЕРЕЗ ПЛАН СПОРТИВНЫХ ИГР. WORLD OF SCIENCE, 7(5), 521-528.

Date: 21stDecember-2024

57. Akbarovna, I. S. (2024). SPORTCHILAR FAOLIYATINI O'RGANISHNING UMUMIY PSIXOLOGIK USULLARI. WORLD OF SCIENCE, 7(5), 536-543.
58. Akbarovna, I. S. (2024). PROCEDURE FOR CREATING PSYCHOLOGICAL TEST PROGRAMS. PEDAGOG, 7(6), 153-159.
59. Икромова, С. (2024). ФОРМЫ И СОДЕРЖАНИЕ ПЕДАГОГИЧЕСКОЙ ТЕХНОЛОГИИ. Multidisciplinary Journal of Science and Technology, 4(3), 925-932.
60. Икромова, С. А. (2024). ОСВОЕНИЕ ОСНОВ ПЕДАГОГИЧЕСКИХ НАВЫКОВ. Multidisciplinary Journal of Science and Technology, 4(3), 894-899.
61. Икромова, С. А. (2024). ВАЖНОСТЬ ФОРМИРОВАНИЯ МАТЕМАТИЧЕСКИХ ПОНЯТИЙ. Multidisciplinary Journal of Science and Technology, 4(3), 906-911.
62. Икромова, С. А. (2023). O'SMIRLARDA DESTRUKTIV AXBOROTLARGA NISBATAN MAFKURAVIY IMMUNITET HOSIL BO'LISHINING O'ZIGA XOS PSIXOLOGIK XUSUSIYATLARI: Ikromova Sitora Akbarovna Osiyo xalqaro universiteti assistenti. Образование и инновационные исследования международный научно-методический журнал, (10), 333-336.
63. Ikromova, S., & Ziyodullayeva, M. (2024). DEVIANT XULQ-ATVOR. Modern Science and Research, 3(11), 576-579.
64. Икромова, С., & Джумаева, Ф. (2024). ОРИЕНТИРЫ ОБРАЗОВАНИЯ В УЗБЕКИСТАНЕ И В ДРУГИХ СТРАНАХ. Modern Science and Research, 3(11), 540-546.
65. Икромова, С. А. (2024). ОСНОВЫ ПСИХОЛОГИЧЕСКОЙ СЛУЖБЫ. PSIXOLOGIYA VA SOTSILOGIYA ILMIY JURNALI, 2(4), 47-53.