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Tashkent International University of Education
Turin Polytechnic University in Tashkent

PROCEEDINGS

of the MMIT'25 International Conference

TA'LIMNING ZAMONAVIY USULLARI VA
INNOVATSION TEXNOLOGIYALAR

MODERN METHODS AND INNOVATION
TECHNOLOGIES IN EDUCATION

СОВРЕМЕННЫЕ МЕТОДЫ И
ИННОВАЦИОННЫЕ ТЕХНОЛОГИИ
В ОБРАЗОВАНИИ

29 May 2025, Tashkent, Uzbekistan

MAQOLALAR TO'PLAMI
СБОРНИК СТАТЕЙ



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Modern methods and innovation technologies in education

**Современные методы и инновационные технологии в
образовании**

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ZAMONAVIY TA'LIMDA GADJETLARNING ROLI

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Annotatsiya. Ushbu maqola bugungi kunda zamonaviy ta'lim bizning hayotimizda qay o'rinda ekanligini ko'rsatadi. Biz bilganimizdek hozirgi davr ta'lim tizimi zamon ila hamnafas. Yangi texnologiya va o'qitish metodlari ham ushbu qatorni egallaydi. Qolaversa, o'quv jarayonining mukammal ko'rinishi aslida ham zamonaviy uskunalarsiz tasavvur eta olmaymiz. Shuningdek, keltirilgan maqolada biz yana ta'limni zamonaviy uslubga qay tarzda o'zgarganini ko'rib o'tamiz.

Kalit so'zlar: zamonaviy ta'lim, sun'iy intellekt, ta'lim oluvchi, pedagog, ta'lim muassasa.

THE ROLE OF GADGETS IN MODERN EDUCATION

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Abstract. This article shows what place modern education occupies in our lives today. As we know, the modern education system keeps pace with the times. New technologies and teaching methods also occupy this position. Moreover, it is impossible to imagine a perfect picture of the educational process without modern equipment. In this article, we will also look at how education has changed to a modern style.

Keywords: modern education, artificial intelligence, learner, teacher, educational institution.

Kirish

Har qanday davlat taraqqiyotini ilm-fansiz tassavvur qilib bo'lmaydi. Davlatning kelgusidagi rivojlanish istiqbollarini va ko'rsatgichlarini ilm-fanga qaratilgan e'tibor va yondashuv darajasiga qarab belgilash mumkin. O'zbekistonda bu borada so'ngi yillarda jamiyat farovonligi va barqarorlik yo'lida eng muhim tamoyil sifatida ilm-fan rivojiga katta e'tibor va imkoniyatlar yaratilganligini alohida ta'kidlab o'tish joyiz. Ushbu yo'nalishda yana bir muhim jihat, ta'lim jarayoniga innovasion pedagogik texnologiyalarni, o'qitishning samarali shakl va usullarini, ta'lim sifatini baholash va monitoring qilishning zamonaviy tizimlarini joriy qilish bilan bir qatorda, yoshlar o'rtasida radikalizm va mutaassiblikni oldini olish, deradikalizasiya jarayonini faol targ'ib qilish orqali mutaassiblik, milliy qadriyatlar va e'tiqodiy qarashlarga zid keluvchi g'oyalarni shakllanishiga yo'l qo'ymaslik, shuningdek, yoshlar o'rtasida diniy aqidaparastlik, ekstremizm va terrorizm bilan bog'liq tahdidlarning oldini olishga doir mavzularda pedagogik va psixologik tadqiqotlarga ehtiyoj sezilmoqda.

Natijalar va muhokama

Dunyo tez sur'atlar bilan o'zgarib bormoqda va biz barcha sohalar va jamiyatlarga ta'sir ko'rsatadigan texnologik yangiliklar va yutuqlar bilan o'ralganmiz. Bugungi o'quvchilar ushbu dinamik o'zgarishlarni qabul qilish uchun yaxshiroq mavqega ega, chunki ular raqamli mahalliy yoki erta qabul qiluvchilardir. Dolzarb bo'lib qolish uchun ta'lim muassasalari texnologiyalarni o'qitish amaliyoti, metodologiyalari va o'quv dasturlariga integratsiyalashmoqda. Pandemiya raqamli qabul qilishni tezlashtirdi va ota-onalar jamoasi yaxlit ta'lim berishda texnologiyalarning ahamiyati, zarurligi, ko'lami va kuchini tan oldi. Ta'lim sohasida eng yaxshi amaliyotlarni amalga oshirish uchun ilg'or fikrlashga ega bo'lish juda muhimdir. Texnologiya yordamida yo'lga qo'yilgan gibrid o'rganish modellari ham haqiqatga aylanib, an'anaviy o'quv tizimlariga qiymat qo'shmoqda.

Texnologiyani qabul qilish ta'limni yoqimli, tajribali va muammosiz qilish uchun juda muhimdir va kelajakda uning roli faqat o'sib boradi [1].

Maktab va ta'lim tizimlariga texnologiyalarni joriy etish albatta bir qator foydali jihatlarni taqdim etadi. Eng ko'zga ko'ringani — bu qog'ozsiz muhitga o'tishdir. Darsliklar va daftarlar o'rniga planshetlardan foydalanish qog'oz tejallishiga katta hissa qo'shadi. Bir tadqiqotga ko'ra, o'rtacha o'quvchi yiliga 720 dan 1800 tagacha qog'oz varag'i sarflaydi. Bu nihoyatda katta miqdordagi qog'oz. Qog'ozsiz tizim orqali ularning barchasini tejash mumkin. Dars o'tish jarayonida biz ko'pgina gadjetlar foydalanamiz. Quyida biz ularning ketma-ketligini ko'ramiz.

Planshetlar. Jismoniy kitoblar bilan bog'liq yana bir masala — bu o'quvchilarning har kuni ko'tarib yuradigan og'ir yukidir. Ko'plab maktablar va hatto hukumatlar ham sog'liqni saqlash me'yorlariga asosan o'quvchining sumkasidagi yuk og'irligiga chegaralar belgilagan. Agar barcha darsliklar raqamli shaklda bo'lsa, o'quvchi har kuni maktabga faqat bitta planshet olib boradi, xolos. Planshetlardan foydalanish bilan bog'liq yana ko'plab qulayliklar mavjud. Masalan, darsliklar istalgan joydan ochilishi mumkin, topshiriqlar masofadan berilishi va yuborilishi mumkin va hokazo. Biroq, maktabda planshetdan foydalanish bilan bog'liq salbiy jihatlari ham kam emas. Masalan, chalg'ish muammosi aniq ko'zga tashlanadi. O'quvchiga bu qadar chalg'ituvchi imkoniyatlarga ega qurilma topshirilsa, uning diqqat markazini saqlab qolish jiddiy muammoga aylanadi. Zamonaviy planshet va smartfonlar aynan shu tarzda - ko'zni qamashtiruvchi belgilar va bildirishnomalar bilan foydalanuvchini "ko'p ish qilayotgan" his qilishga undovchi tarzda - ishlab chiqilgan [2].

Noutbuk/LapTop- yana bir zamonaviy va ta'limda eng asosiy ro'li bor bo'lgan gadjetlardan biridir. Noutbuklarning qulayligi sababli o'quvchilarning darsda ulardan foydalanishni xohlashi ajablanarli emas. Debate.org saytida o'tkazilgan "O'quvchilarga maktabda noutbuklardan foydalanishga ruxsat berilishi kerakmi?" degan so'rovnomada ishtirokchilarning 71 foizi foydalanganlik tarafdori bo'lib chiqqan, 29 foizi esa qarshi bo'lgan. Bu so'rov ilmiy asosga ega bo'lmasa-da, aholi orasida maktabda texnologiyalardan foydalanish istagi keng tarqalganini ko'rsatadi. Noutbuklarning qulayligi sababli o'quvchilarning darsda ulardan foydalanishni xohlashi ajablanarli emas. Debate.org saytida o'tkazilgan "O'quvchilarga maktabda noutbuklardan foydalanishga ruxsat berilishi kerakmi?" degan so'rovnomada ishtirokchilarning 71 foizi foydalanganlik tarafdori bo'lib chiqqan, 29 foizi esa qarshi bo'lgan. Bu so'rov ilmiy asosga ega bo'lmasa-da, aholi orasida maktabda texnologiyalardan foydalanish istagi keng tarqalganini ko'rsatadi [3].

Telefon/Smartfon- ta'limning yuzini o'zgartirayotgan texnologiyalarni inkor etish mumkin emas. Noutbuklar va planshetlar kabi shaxsiy raqamli qurilmalar talabalar uylaridan sinflarga kirib borishi tabiiy holga aylangan. Ba'zi maktablarda esa telefonlardan foydalanish ham ruxsat etilgan. Ha, aslida, telefoningizni zaryad qilish, uy vazifangizni suratga olish yoki quloqchin taqib, musiqa tinglash... ularning barchasini sinfning o'rtasida amalga oshirishingiz mumkin. Biroq, ba'zi an'anaviyroq maktablar shaxsiy qurilmalarga, jumladan, mobil telefonlarga qarshi qat'iy pozitsiyani saqlab qolmoqda. Mobil telefonlar noto'g'ri foydalanish, o'yinchoq sifatida ishlatish, va umumiy chalg'itish kabi masalalar keltirilgan holda, ba'zi maktablar sinfda mobil telefonlardan foydalanishni taqiqlash siyosatini davom ettirayotgan bo'lsa, boshqalari hatto telefonlarni butunlay taqiqlashga qaror qilishgan [4]. Ammo telefonlarni biz ta'lim jarayoni uchun foydalansak biz ko'pgina qulayliklarga erishishimiz mumkin. Ya'ni, kerakli saydlar orqali biz bilim olish jarayonimizni mukammallashtira olamiz. Misol uchun Kahoot, Quizizz, Pear Deck, Google Slides Q & A va Socrative [5]. Ushbu saydlar biz uchun kerak bo'lgan va foydali saydlar hisoblanadi.

Xulosa

Zamonaviy texnologiyalar - planshetlar, noutbuklar va smartfonlar - ta'lim sohasida katta imkoniyatlar eishigini ochmoqda. Ular dars jarayonini yengillashtiradi, o'quvchilarni ilg'or metodlar bilan shug'ullanishga undaydi, masofaviy ta'lim va interaktivlikni ta'minlaydi. Biroq bu

qulayliklar bilan birga chalg'ish, noto'g'ri foydalanish, ijtimoiy izolyatsiya kabi salbiy jihatlarni ham e'tibordan chetda qoldirib bo'lmaydi. Eng to'g'ri yondashuv - bu texnologiyalardan maqsadli va nazorat ostida foydalanishdir. Shundagina ular haqiqiy bilim manbai va zamonaviy o'quv jarayonining ajralmas qismiga aylanishi mumkin.

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An abstract graphic featuring a complex network of interconnected nodes and lines, resembling a molecular structure or a digital network, set against a dark blue background. The nodes are represented by circles of varying sizes, and the lines are thin, light blue, creating a web-like pattern that fills the upper two-thirds of the page.

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