

***ASTRONOMIYA FANINI O'QITISHDA AXBOROT
TEXNOLOGIYALARDAN FOYDALANISHNING O'RNI VA AHAMIYATI***

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Annotatsiya: Jahonning rivojlangan mamlakatlarida astronomiya fanini o'qitish samaradorligini oshirishda ilg'or pedagogik texnologiyalarni (vebinar, onlayn, blended learning, flipped classroom) va gipermatnli interaktiv dasturiy vositalardan, virtual ta'lim texnologiyalari, sun'iy intellekt tizimlari, axborot ta'lim muhitlarini o'zaro integratsiyalash asosida o'qitish masalalariga doir tadqiqotlar olib borilmoqda.

Ta'lim oluvchilarning astronomiya sohasida okeanlar, materiklar, astronomik o'lkalar, iqtisodiy va ijtimoiy astronomiya, zamonaviy ekologik muammolar, dunyo aholisi, umumiy yer tuzilishiga oid ijodiy qobiliyati, mantiqiy, kreativ fikrlashini oshirish, kasbiy kompetentligini rivojlantirish va ta'lim jarayonini tizimlashtirishning nazariy-metodologik hamda uslubiy asoslarini takomillashtirishga xizmat qilmoqda.

Dunyo miqyosida ta'lim tizimini barqaror taraqqiyot tendensiyalariga moslashtirish sharoitida astronomiya ta'lim va tarbiya jarayonini muammoli o'qitish texnologiyalari negizida gipermedia texnologiyalaridan, axborot ta'lim muhitlaridan foydalanishning strategiyalari va mexanizmlarini zamonaviy rivojlanish tamoyillari asosida takomillashtirishda LMS tizimlarini hamda vebga mo'ljallangan zamonaviy didaktik pedagogik dasturiy vositalarni tadbiq etish asosida ta'lim oluvchilarning kompetensiyalarini shakllantirish va rivojlantirishga qaratilgan ilmiy tadqiqot ishlari olib borilmoqda. Tadqiqot natijalari astronomiya fanlarini o'qitishning metodologik, tizimli-faoliyat va shaxsga yo'naltirilgan yondashuvlarini hamda o'quvchi-talabalarning mustaqil o'quv faoliyatida kreativ va kognitiv fikrlashini rivojlantirishga doir ilmiy-nazariy ishlanmalar samaradorligini oshirish dolzarb ahamiyat kasb etadi.

Mamlakatimiz oliy ta'lim muassasalarida astronomiya fanlaridan o'quvchi-talabalarning ta'lim va tarbiya jarayonini samarali tashkil etishning zamonaviy yondashuvlarini ishlab chiqish bilan pedagog kadrlarni tayyorlashda didaktik raqamli o'quv vositalari va ilg'or pedagogik texnologiyalarni o'zaro integratsiyasini ta'minlash orqali o'qitishning innovatsion shakllari va usullarini joriy etish imkoniyatlari

yaratilmoqda. O'z navbatida oliy ta'lim muassasalarida astronomiya fanlarini o'qitishda axborot ta'lim muhitlaridan foydalanish metodikasini takomillashtirish zarurati paydo bo'lmoqda.

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