

Date: 29th October-2025

**TEXNIKA YO‘NALISHIDAGI FANLARNI INGLIZ TILIDA O‘QITISH
METODIKASINI TAKOMILLASHTIRISH / IMPROVING THE
METHODOLOGY OF TEACHING TECHNICAL SCIENCES IN ENGLISH**

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Annotatsiya / Abstract

Mazkur tezisda texnika yo‘nalishidagi fanlarni ingliz tilida o‘qitishning zamonaviy metodlari, CLIL texnologiyasining o‘rni va texnik soha talabalarining kasbiy terminologiyasini shakllantirish masalalari yoritilgan. Ingliz tilida o‘qitish jarayonini samarali tashkil etish uchun texnik fan o‘qituvchisining kommunikativ kompetensiyasi va metodik tayyorgarligi muhim omil sifatida tahlil qilinadi.

This thesis highlights modern methods of teaching technical sciences in English, the role of CLIL technology, and the development of professional terminology among technical students. The study analyzes the significance of teachers' communicative competence and methodological readiness in ensuring the effective organization of English-medium instruction.

Kalit so‘zlar / Keywords

texnik fanlar, ingliz tili, CLIL texnologiyasi, kasbiy terminologiya, kommunikativ kompetensiya, metodika.

technical sciences, English language, CLIL technology, professional terminology, communicative competence, methodology.

Asosiy qism / Main part

XXI asrda ta‘lim tizimi globallashtirish, raqamli transformatsiya va integratsiya jarayonlari bilan chambarchas bog‘liq bo‘lib, bu holat o‘qituvchidan zamonaviy yondashuvlarni qo‘llashni talab etadi. Texnik yo‘nalishdagi fanlarni ingliz tilida o‘qitish nafaqat xorijiy tilni o‘rgatish, balki kasbiy tafakkurni rivojlantirishga xizmat qiladi.

In the 21st century, education is closely connected with globalization, digital transformation, and integration processes, which require teachers to apply modern approaches. Teaching technical sciences in English not only promotes language acquisition but also enhances professional thinking skills.

Bugungi kunda texnik oliy ta‘lim muassasalarida ingliz tilida o‘qitish jarayoni CLIL (Content and Language Integrated Learning) konsepsiyasiga asoslanmoqda. Ushbu yondashuv fanning mazmuni bilan til o‘rganishni uyg‘unlashtiradi. CLIL texnologiyasi talabalarning texnik terminlarni o‘zlashtirishini, nutq madaniyatini shakllantirishini va mustaqil fikrlash ko‘nikmasini rivojlantirishini ta‘minlaydi.

Nowadays, English-medium instruction in technical universities is based on the CLIL (Content and Language Integrated Learning) approach. This methodology integrates



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subject content and language learning. CLIL helps students master technical terminology, develop speech culture, and enhance independent thinking skills.

Texnik fanlarni ingliz tilida o'qitishda o'qituvchi metodik jihatdan tayyor bo'lishi kerak. Bunda o'quv materiallarini soddalashtirish, texnik jarayonlarni ingliz tilida tushuntirish, terminlarni izohli tarzda o'rgatish, va interaktiv metodlardan — "Case study", "Brainstorming", "Project work" kabi usullardan foydalanish tavsiya etiladi.

When teaching technical subjects in English, teachers must possess strong methodological preparation. Simplifying learning materials, explaining technical processes in English, teaching terminology with explanations, and using interactive methods such as "Case study," "Brainstorming," and "Project work" are highly effective strategies.

Masalan, "Engineering Graphics" fanini o'qitishda talabalar ingliz tilida chizma chizish bosqichlarini izohlab berishlari yoki "Mechanical Engineering Technology" fanida ishlab chiqarish jarayonlarini inglizcha tahlil qilishlari mumkin. Bu jarayonlar nafaqat fanni chuqur o'zlashtirish, balki texnik tafakkurni ingliz tilida ifodalashga yordam beradi.

For example, in the "Engineering Graphics" course, students can explain drawing procedures in English, or in "Mechanical Engineering Technology," they can analyze production processes in English. These practices foster not only deep subject comprehension but also the ability to express technical reasoning in English.

Texnika fanlarini ingliz tilida o'qitishning asosiy maqsadi – talabalarda kasbiy kompetensiyani global mehnat bozori talablariga mos shakllantirishdir. Shuning uchun o'qituvchi zamonaviy o'quv resurslari, onlayn platformalar (Coursera, EdX, FutureLearn) va texnik matnlarni o'qish metodikasidan foydalana olishi zarur.

The main purpose of teaching technical sciences in English is to develop students' professional competence that meets the requirements of the global labor market. Therefore, teachers should be able to use modern educational resources, online platforms (Coursera, EdX, FutureLearn), and techniques for reading technical texts effectively.

Natijada, texnik fanlarni ingliz tilida o'qitish — bu nafaqat til o'rgatish, balki talabaning ilmiy va kasbiy salohiyatini oshirishga xizmat qiladigan kompleks metodik tizimdir.

As a result, teaching technical sciences in English is not only about language learning but also a comprehensive methodological system that enhances students' scientific and professional potential.

Xulosa / Conclusion

Texnika fanlarini ingliz tilida o'qitish metodikasini takomillashtirish ta'lim sifati, kasbiy kompetensiya va xalqaro raqobatbardoshlikni oshiradi. O'qituvchilar ingliz tilidagi texnik darslarni loyihalash, baholash va interaktiv texnologiyalar yordamida tashkil etish ko'nikmalarini rivojlantirishlari zarur.

Improving the methodology of teaching technical sciences in English increases educational quality, professional competence, and international competitiveness. Teachers should develop their skills in designing, assessing, and organizing English-medium technical lessons through interactive technologies.



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