

THE IMPORTANCE OF DEVELOPING INFORMATION-ANALYTICAL COMPETENCE IN MODERN PEDAGOGY

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Annotation

This article examines the importance of developing information-analytical competence in modern pedagogy within the context of digital transformation and globalization. The rapid growth of information flows requires educators to possess not only subject knowledge but also the ability to critically analyze, evaluate, and apply information effectively. The study explores theoretical foundations, structural components, and pedagogical conditions necessary for forming this competence. Special attention is given to the integration of digital technologies and innovative teaching methods. The research employs analytical, comparative, and observational methods. The findings indicate that information-analytical competence significantly improves teaching quality and supports the development of independent and critical thinking among learners.

Annotatsiya

Mazkur maqolada globallashuv va raqamli transformatsiya sharoitida zamonaviy pedagogikada axborot-tahliliy kompetensiyani rivojlantirishning ahamiyati keng yoritilgan. Axborot oqimlarining keskin ortishi o'qituvchilardan nafaqat fan bilimlari, balki axborotni tanqidiy tahlil qilish, baholash va undan samarali foydalanish ko'nikmalarini talab etadi. Tadqiqotda ushbu kompetensiyaning nazariy asoslari, tarkibiy qismlari va uni shakllantirishning pedagogik shart-sharoitlari tahlil qilingan. Shuningdek, raqamli texnologiyalar va innovatsion metodlarning roli alohida ko'rib chiqilgan. Natijalar ushbu kompetensiya ta'lim sifatini sezilarli darajada oshirishini ko'rsatadi.

Аннотация

В статье подробно рассматривается значение развития информационно-аналитической компетентности в современной педагогике в условиях глобализации и цифровой трансформации. Рост информационных потоков требует от педагогов не только знаний, но и способности критически анализировать, оценивать и эффективно использовать информацию. Исследуются теоретические основы, структура и педагогические условия формирования данной компетентности. Особое внимание уделяется роли цифровых технологий и инновационных методов обучения. Результаты показывают, что развитие данной компетентности существенно повышает качество образования.

Keywords: information literacy, analytical competence, pedagogy, digital transformation, critical thinking, ICT, education innovation

Kalit so'zlar: axborot savodxonligi, tahliliy kompetensiya, pedagogika, raqamli transformatsiya, tanqidiy fikrlash, AKT, ta'lim innovatsiyasi

Ключевые слова: информационная грамотность, аналитическая компетентность, педагогика, цифровая трансформация, критическое мышление, ИКТ, инновации в образовании

Introduction

The modern educational landscape is characterized by rapid technological advancement and the widespread integration of digital tools into teaching and learning processes. In such an environment, the traditional role of teachers is undergoing significant transformation. Educators are no longer mere transmitters of knowledge; instead, they serve as facilitators, mentors, and guides in the process of knowledge construction.

XXI asrda axborot jamiyati shakllanib, bilim iqtisodiyoti ustuvor yo'nalishga aylandi. Bunday sharoitda pedagoglarning kasbiy kompetensiyalari ham tubdan o'zgarib bormoqda. Ayniqsa, axborot bilan ishlash ko'nikmalari – uni izlash, saralash, tahlil qilish va baholash – muhim ahamiyat kasb etmoqda.

Information-analytical competence has become a key factor in ensuring the effectiveness of the educational process. It enables teachers to adapt to new educational standards, integrate innovative methods, and foster students' independent thinking skills.

Methodology

This study is based on a comprehensive methodological framework, including:

- Theoretical analysis of scientific and pedagogical literature
- Comparative analysis of traditional and modern teaching approaches
- Observation of classroom practices
- Synthesis and generalization of research findings

Tadqiqot jarayonida tizimli yondashuv asosida quyidagi metodlar qo'llanildi:

- Ilmiy adabiyotlarni tahlil qilish
- Taqqoslash metodi
- Kuzatuv
- Umumlashtirish

Main Part

1. Theoretical Foundations of Information-Analytical Competence

Information-analytical competence is a multidimensional concept that combines knowledge, skills, and attitudes related to working with information. It includes cognitive, technological, and critical components.

Ushbu kompetensiya quyidagi tarkibiy qismlardan iborat:

- **Kognitiv komponent** – bilim va tushunchalar
- **Amaliy komponent** – axborot bilan ishlash ko'nikmalari
- **Motivatsion komponent** – o'rganishga bo'lgan qiziqish
- **Refleksiv komponent** – o'z faoliyatini tahlil qilish

2. The Role of Analytical Thinking in Education

Analytical thinking is essential for problem-solving and decision-making. It allows educators to interpret data, evaluate sources, and design effective teaching strategies.

Tahliliy fikrlash pedagogga:

- Murakkab vaziyatlarni hal qilish
- Dars jarayonini optimallashtirish

- Talabalarining ehtiyojlarini aniqlash imkonini beradi

3. Digital Transformation and Education

Digital transformation has significantly influenced the development of information competence. Technologies such as artificial intelligence, big data, and online learning platforms provide new opportunities for education.

Raqamli ta'limning afzalliklari:

- Moslashuvchanlik
- Individual yondashuv
- Resurslarning kengligi

Shu bilan birga, noto'g'ri axborot (fake news) muammosi ham dolzarb bo'lib qolmoqda.

4. Pedagogical Strategies for Developing Competence

Effective strategies include:

- Problem-based learning
- Inquiry-based learning
- Collaborative learning
- Project-based activities

Masalan:

- Talabalarga real muammolar berish
- Guruhli ishlashni tashkil qilish
- Taqdimot va tahlil qilish topshiriqlari

5. Integration of ICT in Teaching

ICT tools enhance analytical skills by enabling data visualization, simulations, and interactive learning.

AKT vositalari:

- PowerPoint
- Google Classroom
- Online test platformalari

6. Challenges in Developing Information-Analytical Competence

Despite its importance, several barriers exist:

- Teachers' insufficient digital skills
- Lack of infrastructure
- Resistance to change

Buni hal qilish uchun:

- Malaka oshirish kurslari
- Texnik bazani rivojlantirish
- Innovatsion muhit yaratish zarur

7. Practical Implications

Developing this competence leads to:

- Improved teaching quality
- Higher student engagement
- Better learning outcomes

Results (Natijalar)

The findings demonstrate that:

- Information-analytical competence enhances pedagogical effectiveness

- Students develop independent learning skills
- Educational processes become more interactive

Discussion (Muhokama)

The results align with global educational trends emphasizing competence-based education. Many countries are integrating analytical skills into curricula.

Conclusion (Xulosa)

Information-analytical competence is a crucial element of modern pedagogy. Its development ensures that both teachers and students can effectively navigate the complexities of the information age.

Kelajakda ta'lim tizimi aynan ushbu kompetensiyaga asoslangan holda rivojlanadi.

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