

PROCEEDINGS OF THE INTERNATIONAL
SCIENTIFIC-PRACTICAL CONFERENCE ON
"ACTUAL PROBLEMS OF DIGITAL AND
INNOVATIVE TECHNOLOGIES IN THE
CONTINUING EDUCATION SYSTEM"



“UZLUKSIZ TA’LIM TIZIMIDA RAQAMLI VA
INNOVATSION TEXNOLOGIYALARNING
DOLZARB MUAMMOLARI” MAVZUSIDA
XALQARO ILMIY-AMALIY ANJUMAN
MATERIALLARI

GULISTON

2024-YIL 22-23-NOYABR

Uzluksiz ta'lim tizimida raqamli va innovatsion texnologiyalarning dolzarb muammolari

**O'ZBEKISTON RESPUBLIKASI
OLIY TA'LIM, FAN VA INNOVATSIYALAR VAZIRLIGI**

GULISTON DAVLAT PEDAGOGIKA INSTITUTI



**PROCEEDINGS OF THE INTERNATIONAL SCIENTIFIC-
PRACTICAL CONFERENCE ON “ACTUAL PROBLEMS OF
DIGITAL AND INNOVATIVE TECHNOLOGIES IN THE
CONTINUING EDUCATION SYSTEMS”**

**“UZLUKSIZ TA'LIM TIZIMIDA RAQAMLI VA
INNOVATSION TEXNOLOGIYALARNING DOLZARB
MUAMMOLARI” MAVZUSIDA XALQARI ILMIY-AMALIY
ANJUMAN MATERIALLARI**

2-QISM

2024-YIL 22-23-NOYABR

GULISTON-2024

2024-yil 22-23-noyabr

Uzluksiz ta'lim tizimida raqamli va innovatsion texnologiyalarning dolzarb muammolari

UDK: 37.013

KBK: 74.0

U – 11

DOI: <https://doi.org/10.5281/zenodo.14257506>



“Uzluksiz ta'lim tizimida raqamli va innovatsion texnologiyalarning dolzarb muammolari” mavzusidagi xalqaro ilmiy-amaliy anjuman materiallari, 2-qism (23-noyabr 2024-yil) – T.: Guliston, 2024

Ushbu to'plamga 2024-yil 22-23-noyabr kunlari Guliston davlat pedagogika instituti Pedagogika fakulteti “Pedagogika va psixologiya”, “Maktabgacha va boshlang'ich ta'lim metodikasi” kafedralarida “Uzluksiz ta'lim tizimida raqamli va innovatsion texnologiyalarning dolzarb muammolari” mavzusidagi xalqaro ilmiy-amaliy anjuman qatnashchilarining ma'ruza materiallari kiritilgan. Ilmiy-amaliy anjuman materiallari to'plamida respublikamiz va xorijiy soha mutaxassislari, professor-o'qituvchilar, ilmiy tadqiqotchilar, magistrlar, doktorantlar, talabalarning ilmiy maqolalari o'rin olgan.

Taqrizchilar:

Yo.A.Nurumbekova – Pedagogika fanlari nomzodi, dotsent

D.M.Elmuratova – Pedagogika fanlari bo'yicha falsafa doktori(PhD), dotsent

Mas'ul muharrir:

R.N.Ergashev – Pedagogika fanlari nomzodi, professor v.b.

A.A.Bolibekov – Pedagogika fanlari nomzodi, dotsent

N.T.Misirova – Pedagogika fanlari bo'yicha falsafa doktori(PhD), dotsent v.b.

M.Q.Xidirova – Pedagogika fanlari bo'yicha falsafa doktori(PhD), dotsent v.b.

Tashkilotchilar:

S.I.Qulmamatov – “Maktabgacha va boshlang'ich ta'lim metodikasi” kafedrasini mudiri, p.f.n., dotsent

G.B.Kurbanova – Pedagogika fanlari bo'yicha falsafa doktori(PhD), dotsent v.b.

Guliston davlat pedagogika instituti Pedagogika fakulteti “Pedagogika va psixologiya” hamda “Maktabgacha va boshlang'ich ta'lim metodikasi” kafedralarining barcha professor-o'qituvchilari

Mas'ullar:

D.A.Utanbayeva – Pedagogika fanlari bo'yicha falsafa doktori(PhD)

J.A.Ro'zimatov – “Maktabgacha va boshlang'ich ta'lim metodikasi” kafedrasini stajyor-o'qituvchisi

Ushbu to'plam Guliston davlat pedagogika instituti Pedagogika fakultetining 2024-yil 20-noyabrda navbatdan tashqari yig'ilish bayonnomasi bilan nashrga tavsiya etilgan.

To'plamda nashr etilgan maqola va tezislardagi ma'lumotlarning haqqoniyligiga mualliflar mas'uldirlar.

O'quvchining qay darajada bilim olib, kamol topishida o'qituvchining, ayniqsa boshlang'ich ta'lim o'qituvchisining, o'rni katta. Shunday ekan buni birinchi qadamdan, bola aynan maktabga kelgan ilk kundan boshlash lozim. Chunki davlatning ertangi kuni yoshlarning qay darajada bilimli ekani bilan bevosita bog'liq!

Foydalanilgan adabiyotlar:

1. O'zbekiston Respublikasi Prezidentining Farmoni, 11.09.2023- yildagi PF-158-son
2. Mahmudova Sabina, Umarov Husniddin "Boshlang'ich sinf o'quvchilarini mantiqiy fikrlashga o'rgatish". Berlin "ISOC"

**METHODOLOGY FOR DEVELOPING READING LITERACY IN
PRIMARY SCHOOL STUDENTS THROUGH TRIZ PEDAGOGY**

Sh.T.Kayumova

Doctor of Philosophy in Educational Sciences (PhD),
The doctoral student of Guliston state University(DSc)
Postal code Guliston 120204, Uzbekistan
Email: shoxsanamkayumova0523@gmail.com
ORCID ID 0009-0007-8909-550X

Abstract: This article explores the role of TRIZ (Theory of Inventive Problem Solving) pedagogy in developing reading literacy among primary school students and its methodological foundations. The article analyzes the potential of TRIZ approaches to foster creative thinking, stimulate interest in reading, and develop analytical skills among students. It also highlights the interactive methods developed based on TRIZ and their integration into the educational process.

Keywords: TRIZ pedagogy, reading literacy, creative thinking, primary education, problem-solving, methodological approach.

Аннотация. В данной статье рассматривается роль педагогики TRIZ (Теория решения изобретательских задач) в развитии читательской грамотности у учащихся начальных классов и её методологические основы. В статье анализируются возможности применения подходов TRIZ для развития творческого мышления у учащихся, стимулирования интереса к чтению и формирования аналитических навыков. Также рассматриваются интерактивные методы, разработанные на основе TRIZ, и их интеграция в образовательный процесс.

Ключевые слова: педагогика TRIZ, читательская грамотность, творческое мышление, начальное образование, решение проблем, методологический подход.

In today's education system, developing reading literacy requires not only enhancing reading abilities but also fostering critical and creative thinking skills among students. TRIZ pedagogy plays a significant role as an innovative approach in this regard. This methodology helps to revitalize the learning process by solving creative tasks and problems.

TRIZ (The Theory of Inventive Problem Solving), developed by Genrich Altshuller in 1946, was initially applied to solve technical problems. Later, this approach was adapted to education and aimed at developing creative thinking in students. The key principles of TRIZ pedagogy include:

- *Resolving Contradictions*: Students combine opposing ideas to develop creative solutions.

- *Ideal Outcome Principle*: Achieving the highest results with the least resources in the educational process.

- *Systematic Approach*: Applying a comprehensive approach to solving problems.

In the field of education, scholars such as Leonid Chechurin, Elena G. Popov ("Teaching and Learning with TRIZ: New Directions in Education"), Karen Gadd, Denis Cavallucci, James Moultrie ("TRIZ for Engineers: Enabling Inventive Problem Solving"), and Lilly Haines-Gadd ("TRIZ for Dummies") have conducted research on the use of TRIZ pedagogy.

TRIZ and Reading Literacy: TRIZ offers the following opportunities in improving reading literacy: Deeply analyzing the content of texts and identifying their key ideas; Using creative tasks to enhance students' interest in reading; Creating problem-solving questions based on the material read and finding answers.

TRIZ-based Methodology for Developing Reading Literacy:

Interactive Methods: The interactive methods used in TRIZ pedagogy encourage students to actively participate in the reading process. For example:

- "Contrary Story" method: Students propose conflicting situations and their solutions based on the text.

- "Ideal Book" method: Students imagine how the story would look in an ideal form and create their own versions.

Game Technologies: TRIZ makes extensive use of game elements, such as:

- "Reading Labyrinth": During the reading process, students solve problems at certain stages to achieve a goal.

- "Question Creator" game: Each student develops questions about the text, and discussions are held based on those questions.

Differentiated Approach: TRIZ methods can be adapted to each student's individual needs. For example, more complex tasks can be offered to high-ability students, while simpler problems can be given to beginners.

International Experience with TRIZ: TRIZ pedagogy has been successfully applied in many countries:

- Russia: Creative activities based on TRIZ are organized for students, showing high results in reading literacy.
- Finland: TRIZ methods are actively used to improve teachers' qualifications and have been integrated into the educational process.
- USA: Interactive TRIZ methods are used as an innovative approach in elementary education institutions.

Features of TRIZ pedagogy:

Encouraging Creative Thinking: TRIZ pedagogy stimulates students' creative thinking by introducing them to a structured framework for problem solving. It encourages them to break away from conventional thinking patterns and explore unconventional solutions.

Problem-Solving Competence: TRIZ equips students with a toolkit of problem-solving techniques that can be applied across various domains. This competence is highly transferable and valuable in addressing real-world challenges.

Identifying Contradictions: TRIZ emphasizes the identification and resolution of contradictions within a problem. This skill is particularly relevant in engineering, product design, and process optimization.

Enhancing Critical Thinking: TRIZ pedagogy encourages students to analyze problems from multiple angles, fostering critical thinking skills. It requires them to question assumptions, seek root causes, and explore innovative alternatives.

Innovation and Inventiveness: TRIZ is centered around the concept of innovation. By teaching students the principles of innovation and inventive problem solving, TRIZ pedagogy prepares them to be future innovators and inventors.

Cross-Disciplinary Application: TRIZ is not limited to a specific field; it can be applied across disciplines. This versatility makes it a valuable addition to educational programs in diverse fields, from science and engineering to business and the arts.

Real-World Relevance: The skills acquired through TRIZ pedagogy are directly applicable to real-world challenges. This prepares students for success in their careers and equips them to contribute positively to society.

While the benefits of TRIZ pedagogy are substantial, there are challenges to its implementation. These include the need for specialized training for educators, curriculum integration, and the adaptation of TRIZ principles to the specific needs of different educational levels and contexts. However, the long-term benefits outweigh these initial hurdles.

Practical Recommendations:

1. Incorporating TRIZ methods into teacher training programs: Equipping future educators with skills to conduct lessons based on TRIZ.

2. Using TRIZ technologies in the classroom: Implementing methods that encourage students to think actively and independently.

3. Improving text-based exercises using TRIZ: Providing tasks that develop creative and critical thinking in students as they study texts.

Conclusion: TRIZ pedagogy is an effective method for developing reading literacy in elementary school students. It not only enhances reading abilities but also shapes creative thinking, problem-solving, and analytical skills. By widely applying TRIZ methods in the education system of Uzbekistan, the learning process can be taken to a new level.

References:

1. Altshuller G.S. Theory of Inventive Problem Solving.
2. International PIRLS reports and research on TRIZ methodology.
3. Articles on the practical application of TRIZ in the educational systems of Finland and Russia.
4. Yunusova D.I. Theoretical foundations of developing the methodological readiness of future mathematics teachers. Textbook. Thinking Patterns. 2018
5. .Sharipov Sh.S. Theory and practice of ensuring students' professional creativity: Pedagog. sciences. d. ... abstract. -T.: 2012. -p. 46
6. Л.Н. Чипышева Формирование общеучебной компетентности младших школьников на уроках русского языка
7. Скибб Л.Дж., Хэйфмейстер Сюзен, Чеснат Анжела М. Оптимизация мультимедиа ПК/ *Пер. с англ. – Киев: НИПФ «ДиаСофт Лтд», 1997.
8. Бўлажак босшланғич синф ўқитувчиларини timss халқаро баҳолаш дастури асосида методик тайёргарлигини ривожлантиришда мультимедиа воситаларининг ўрни. *Science and innovation*, 1(B4), 159-162.

O'SMIRLIK DAVRIDA SALBIY XUSUSIYATLARNING PAYDO BO'LISHI

S.Ch.Xaydarova

Guliston Davlat universiteti

Psixologiya kafedراسи katta o'qituvchisi

Annotatsiya: Ushbu maqolada o'smirlik davriga xos bo'lgan salbiy xulq-atvor ko'rinishlari, ularning kelib chiqishi sabablari, rivojlanish shart-sharoitlari, namoyon bo'lishining psixologik xususiyatlari keltirilgan.

Kalit so'zlar: o'smirlik, ontogeniz, deviant, xulq-atvor, xarakter aksentuatsiyasi, bolalar va o'smirlar.

Abstract: In this article, the negative behavior characteristic of adolescence, the causes of their origin, the conditions of development, and the psychological features of their manifestation are presented.

MUNDARIJA

3-SHO'BA. RAQAMLI VA INNOVATSION TEXNOLOGIYALARNING UMUMIY O'RTA TA'LIM SIFATI VA SAMARADORLIGINI OSHIRISHDAGI O'RNI.		
Sh.Norqulov J.Ro'zimatov	BO'LAJAK BOSHLANG'ICH SINFLARDA O'QITUVCHILARINING RAQAMLI TA'LIM TEXNOLOGIYALARIDAN FOYDALANISH METODIKASINI TAKOMILLASHTIRISH (TABIATSHUNOSLIK FANI MISOLIDA)	3
R.N.Ergashev	BOSHLANG'ICH SINFLARDA INNOVATSION TA'LIM TEXNOLOGIYALARI	6
R.N.Ergashev M.Z.Nasurulazoda	BOSHLAG'ICH TA'LIMNI INTEGRATSIYALASH IMKONIYATLARI	11
G.P.Isayeva U.A.Ravshanov	O'QUVCHI-YOSHLARNI VIRTUAL OLAM TA'SIRIDAN HIMOYA QILISHNING NAZARIY ASOSLARI	16
S.I.Qulmamatov E.A.Xamzaqulov	BO'LAJAK BOSHLANG'ICH SINFLARDA O'QITUVCHILARINING MATNLI MASALALAR YECHISHGA O'RGATISH USULLARI.	19
A.N.Qudratov D.E.Abduraimov J.J.Xojakulov	RAQAMLI TEXNOLOGIYALARNING HOZIRGI DAVRDA UMUMIY O'RTA TA'LIMDA SIFATI VA SAMARADORLIGINI OSHIRISH	23
D.M. Elmuratova S.Sh.Karimova	"TABIY FANLAR"NI O'QITISHDA INNOVATSION VA ELEKTRON TA'LIMiy RESURSLARDAN FOYDALANISH SAMARADORLIGI	26
D.M.Elmuratova S.J. Qazaqova	BOSHLANG'ICH SINFLARDA ONA TILINI O'QITISHDA TURLI INNOVATSION VA PEDAGOGIK TEXNOLOGIYALARDAN FOYDALANISH	30
Sh.Jumanov	MAKTAB MA'NAVIYAT SEKTORLARI FAOLIYATINING ARTPEDAGOGIK PEDAGOGIK TEXNOLOGIYALARI	34
G.B.Kurbanova P.U.Omonova	INNOVATSION TEXNOLOGIYALAR ASOSIDA YOSHLARNI KASB TANLASHGA YONALTIRISHNING UZVIYLIGINI TA'MINLASH TEXNOLOGIYASI	38
G.B.Kurbanova N.M.Ahmatov	O'QUVCHI-YOSHLARNI KOMMUNIKATIV RIVOJLANTIRISHDA RAQAMLI VA INNOVATSION TEXNOLOGIYALARNING TUTGAN O'RNI	41

Uzluksiz ta'lim tizimida raqamli va innovatsion texnologiyalarning dolzarb muammolari

N.T.Misirova	BO'LAJAK BOSHLANG'ICH SINFLARDA O'QITUVCHILAR IJODIY QOBILIYATLARINING INDIVIDUAL-PSIXOLOGIK XUSUSIYATLARI	43
N.T.Misirova Z.X.Xusanova M.A.Qurbonaliyeva	4-SINF O'QISH SAVODXONLIGI DARSLARIDA BADIY MATN USTIDA ISHLASH IMKONIYATLARI	48
N.T.Misirova X.M.O'rishova	BOSHLANG'ICH TA'LIM TIZIMIDA INNOVATSION TEXNOLOGIYALARNI JORIY ETISHNING DOLZARB MASALALARI	51
Sh.I.Musurmanova	MAHALLALARDAGI TO'LIQSIZ OILALARDAGI NOJO'YA QILMISHLARNING FARZANDLARI TA'LIM-TARBIYASIGA TA'SIRI	55
Sh.Musurmanova M.T.Egamqulova	BOSHLANG'ICH SINFLARDA O'QUVCHILARIGA INKLYUZIV TA'LIM BERISHDA RAQAMLI VA INNOVATSION TEXNOLOGIYALAR	60
G.Sh.Mamutova D.U.Sobirova	DARS JARAYONIDA INNOVATSION TEXNOLOGIYALARDAN FOYDALANISH	65
M.R.Nurbuvayev	MASOFAVIY TA'LIMDA O'QUVCHILARGA TOPSHIRILADIGAN MUSTAQIL ISH SAMARADORLIGINI OSHIRISH UCHUN ZAMONAVIY METOD VA RAG'BAT KARTOCHKALARIDAN FOYDALANISH	69
М.Дж.Тошматова	МЕТОДИКА УСОВЕРШЕНСТВОВАНИЯ КОММУНИКАТИВНОЙ ТОЛЕРАНТНОСТИ ДЕТЕЙ В ПРОЦЕССЕ ИЗУЧЕНИЯ РУССКОГО ЯЗЫКА И ЛИТЕРАТУРЫ В НАЧАЛЬНЫХ КЛАССАХ	71
М.Дж.Тошматова Ш.Ш.Эсонбоева	КУЛЬТУРНО-ОБРАЗОВАТЕЛЬНЫЙ ПОТЕНЦИАЛ РУССКОГО ЯЗЫКА И ЛИТЕРАТУРЫ В КОНТЕКСТЕ ФОРМИРОВАНИЯ КОММУНИКАТИВНОЙ ТОЛЕРАНТНОСТИ ЛИЧНОСТИ	78
A.B.Nizamov A.D.To'xtayeva	BOSHLANG'ICH SINFLARDA O'QUVCHILARNI OG'ZAKI VA YOZMA HISOB MALAKALARINI RIVOJLANTIRISH USULLARI	83
X.Umarov O.Norbo'tayeva R.Fayzullayeva	BOSHLANG'ICH SINFLARDA ONA TILI SAVODXONLIGI DARSLARIDA "FE'L SO'Z TURKUMI" MAVZUSINING O'RGANILISHI	84
X.Umarov A.Cho'lliyeva	BOSHLANG'ICH SINFLARDA O'QUVCHILARIGA ZAMONAVIY TEXNOLOGIYALAR ASOSIDA	88

Uzluksiz ta'lim tizimida raqamli va innovatsion texnologiyalarning dolzarb muammolari

	DARS O'TISH	
X.E.Umarov S.A.Mahmudova	PISA XALQARO BAHOLASH DASTURIGA O'QUVCHILARNI BOSHLANG'ICH SINFDAN TAYYORLASH	91
Sh.T.Kayumova	METHODOLOGY FOR DEVELOPING READING LITERACY IN PRIMARY SCHOOL STUDENTS THROUGH TRIZ PEDAGOGY	93
S.Ch.Xaydarova	O'SMIRLIK DAVRIDA SALBIY XUSUSIYATLARNING PAYDO BO'LISHI	96
S.Ch.Xaydarova	OILAVIY NIZOLAR VA ULARNING BOLA TARBIYASIDAGI AHAMIYATI	100
М.А.Байзакова М.А.Муродкулова	ВЛИЯНИЕ ИННОВАЦИИ В ПЕДАГОГИКУ	103
M.A.Bayzakova	XALQARO BAHOLASH DASTURI ASOSIDA BO'LAJAK BOSHLANG'ICH SINF O'QITUVCHILARINI METODIK TAYYORGARLIGINI TAKOMILLASHTIRISHDA XALQARO BAHOLASH DASTURINING AHAMIYATI VA DOLZARBLIGI	107
T.Sh.Muhammadiyev	O'QUVCHILARNING LINGVOMADANIY KOMPETENSIYALARINI SHAKLLANTIRISH OMILLARI	110
D.A.Utanbaeva	THE IMPORTANCE OF DIGITAL TECHNOLOGY IN PREPARING ELEMENTARY STUDENTS FOR INTERNATIONAL ASSESSMENT PROGRAMS	117
D.A.Utanbayeva Z.D.Qurbonboyeva	BOSHLANG'ICH SINFLARDA LIRIK JANRGA XOS SHE'RIY MATNLAR USTIDA ISHLASH	121
A.M.To'rabekova	GLABALLASHUV SHAROITIDA BOSHLANG'ICH TA'LIM TIZIMIGA ZAMONAVIY YONDASHUVLAR	125
С.Э.Кабулова Ж.Р.Ташкулова	ИСПОЛЬЗОВАНИЕ ТЕХНОЛОГИИ ДЛЯ СОЗДАНИЯ ИНКЛЮЗИВНОЙ ОБРАЗОВАТЕЛЬНОЙ СРЕДЫ ДЛЯ ДЕТЕЙ С ОСОБЫМИ ПОТРЕБНОСТЯМИ	129
O.I.Saxobidinova	TA'LIM JARAYONIDA RAQAMLI TEXNOLOGIYALARDAN FOYDALANISHNING PEDAGOGIK IMKONIYATLARI	135
S.K.Bazarov M.R.Gadoyboyeva	INKLYUZIV TA'LIMDA MUAMMO VA ULARNING YECHIMLARI	139
H. X.Худойкулова	РОЛЬ ИННОВАЦИОННЫХ ТЕХНОЛОГИЙ В ИНСТРУМЕНТАЛЬНОМ ИСПОЛНЕНИИ	141
A.M.Matkarimov	O'QUVCHILARNING TA'LIMDAGI	146

Uzluksiz ta'lim tizimida raqamli va innovatsion texnologiyalarning dolzarb muammolari

	MUVAFFAQIYATI VA OILADA TA'LIM MUHITINING UZVIY JIHATLARI	
G.A.Yusufaliyeva	MODERN APPROACHES TO THE EDUCATION OF PRIMARY CLASS STUDENTS IN ACCORDANCE WITH OUR UNIVERSAL VALUES	151
O.T.Xaitov	DEVIANT XULQ-ATVOR VA UNING TIPOLOGIYASI HAQIDA UMUMIY TUSHUNCHA	155
J.A.Ro'zimatov M.U.Savriddinova	THE ADVANTAGES OF DIGITAL TEACHING TECHNOLOGIES IN IMPROVING THE PROFESSIONAL EFFICIENCY OF PRIMARY SCHOOL TEACHERS	157
O.U.Mansurova	UCHINCHI RENESSANS SHAROITIDA MILLIY TARBIYA TIZIMINI TAKOMILLASHTIRISHNING MAVJUD IMKONIYATLARI	161
R.Z.Azimova	O'QUVCHI YOSHLARGA SUN'IY INTELLEKT TASIRINING PSIXOLOGIK JIHATLARI	165
G.CH.Shoymatova	INKLYUZIV TA'LIM ISTIQBOLI: MUAMMO VA YECHIMLAR	169
D.K.Hotamova	EFFECTIVENESS OF DIGITIZATION TOOLS IN PREPARING FUTURE TEACHERS FOR PEDAGOGICAL ACTIVITY	173
M.B.Berdiyeva	BO'LAJAK BOSHLANG'ICH SINIF O'QITUVCHILARINING IJODIY KOMPETENTLIGINI RIVOJLANTIRISH METODIKASINI TAKOMILLASHTIRISH	178
K.I.Eshonqulova	BOSHLANG'ICH SINIF O'QUVCHILARIDA TEZKORLIKNI RIVOJLANTIRISHDA HARAKATLI O'YINLARNING SAMARADORLIGI	184
D.X.Kurbanova	BOSHLANG'ICH SINIFDA "TARBIYA" FANINI O'QITISHDA INNOVATSION PEDAGOGIK-YONDASHUVLAR	187
D.X.Kurbanova S.R. Baxromova	O'QUVCHILARNING MUSTAQIL FIKRLASH QOBILIYATLARINI RIVOJLANTIRISHDA PEDAGOGIK TEXNOLOGIYALARI	192
G.Shoymatova A.Cho'lliyeva	BOSHLANG'ICH TA'LIM PEDAGOGIKASINING JAMIYATDAGI O'RNI	197
E.A.Xamzaqulov	CHEGARAVIY SHATLARDA VAQT BO'YICHA HOSILA QATNASHGAN DIFFERENSIAL TENGLAMALAR.	199
E.A.Xamzaqulov	BOSHLANG'ICH TA'LIM FANLARINI	203

Uzluksiz ta'lim tizimida raqamli va innovatsion texnologiyalarning dolzarb muammolari

M.Z.Mardonova	O'QITISHDA CHET EL TAJRIBALARI.	
M.O'.Beknazarova	BOSHLANG'ICH SINIF O'QUVCHILARIDA MASSA, SIG'IM VA VAQT O'LCHOV BIRLIKLARI TO'G'RISIDAGI TASAVVURLARNI SHAKLLANTIRISH METODIKASI	208
M.O'.Beknazarova	RAQAMLI TEXNOLOGIYALAR ASOSIDA BOSHLANG'ICH SINIF O'QUVCHILARINI O'QISH SAVODXONLIGINI OSHIRISH	214
N.S.Sangirova Sh.A.Xudoynazarov	IJTIMOIIY TARMOQLARDA ZAMONAVIIY YOSHLARNING IJTIMOIIY MUNOSABATLARINI SHAKLLANTIRISH	218
N.G.Ma'rufova	TARBIYALANUVCHILARNING YOSHIGA XOS BO'LGAN PSIXOLOGIK XUSUSIYATLAR ORQALI QOBILIYATINI SHAKLLANTIRISH	221
S.A.Axmedova	BOSHLANG'ICH TA'LIM TIZIMIDA RAQAMLI TEXNOLOGIYALAR ASOSIDA MATEMATIKA DARSINI TASHKIL ETISH	224
M.K. Jabborova	BOLALARDA LINGVISTIK IJODIIY INTELEKTNI SHAKLLANTIRISH ERTAK VA QO'SHIQLARDAN FOYDALANISH	227
N.A.Sheraliyeva	TARBIYA DARSLARINI TASHKIL ETISHDA O'QITUVCHIGA QO'YILADIGAN TALABLAR	232
M.A.Abduvaliyeva	INNOVATSION TEXNOLOGIYALARNING TA'LIM SIFATINI OSHIRISHDAGI AHAMIYATI	238
M.A.Nasrullayeva	BELGIYA VA SHVETSIYA DAVLATLARINING TA'LIM TIZIMLARIGA KOMPARATIV TAHLIL	240
I.A.Turdiyev F.A.Norboyeva	INNOVATSION TA'LIM SHAROITIDA BOSHLANG'ICH SINIF O'QUVCHILARINING NUTQ MADANIYATINI SHAKLLANTIRISH METODIKASINI TAKOMILLASHTIRISH	243
D.A. Dadabayeva	BARKAMOL YOSHLAR TARBIYASIDA GENDER MUNOSABATLARINING PEDAGOGIK-PSIXOLOGIK XUSUSIYATLARI	245
G.O.Omonboyeva G.B.To'xtasinova	BOSHLANG'ICH SINIF O'QUVCHILARINING INTELLEKTUAL SALOHIIYATINI RIVOJLANTIRUVCHI METODLAR	249
S.A.Jo'raqulova	RAQAMLI TA'LIM MUHITIDA O'QUVCHILARDA PEDAGOGIK KO'NIKMALARINING KOMPETENSIYAVIIY YONDASHUVI	252
Z.I.Yusupova	O'QUVCHILARDA PEDAGOGIK KOMPETENSIYANI RIVOJLANTIRISH	257

Uzluksiz ta'lim tizimida raqamli va innovatsion texnologiyalarning dolzarb muammolari

Z.I.Yusupova	MAKTAB O'QUVCHILARIDA IJODIY QOBILIYATLARNI RIVOJLANTIRISHNING PEDAGOGIK-PSIXOLOGIK XUSUSIYATLARI	261
S.Sh.Aliqulova S.R.Eliboyeva A.M.Qo'shimbatova	ADABIYOT – MILLAT TAYANCHI	266
M.Muxtorova	BOSHLANG'ICH SINFLARDA DARSNI TASHKIL ETISH TARTIBI	268
F.K.Jumayeva R.S.Xakimjanova	O'ZBEK TILSHUNOSLIGIDA SO'Z BIRIKMASI VA GAPNING TAVSIFI	270
P.T.Xasanova	MILLIY TARAQQIYOT YO'LIDA YOSHLARNI MA'NAVIYATLI QILIB TARBIYALASHNING AHAMIYATI	275
F.O.Malikova	BOSHLANG'ICH SINFLARDA TARBIYA FANINI O'QITISHDA INNOVATSION TEXNOLOGIYALARDAN FOYDALANISH METODIKASI	279
J.A.O'razbayeva Sh.J.Niyozullayeva	BOSHLANG'ICH SINFLARDA SON SO'Z TURKUMINI INTERFAOL METODLAR ASOSIDA O'QITISH	282
Z.B.Jumanazarova S.V.Davronova	BOSHLANG'ICH SINFLARDA ERTAK JANRIGA XOS MATNLAR USTIDA ISHLASH	285
D.K.Doniyorova N.M.Tursunboyeva	BOSHLANG'ICH SINFLARDA MATNNI O'RGANISH BOSQICHLARI	287
Sh.B.Allaberganova F.I.Abduq'ofurova	BOSHLANG'ICH SINFLARDA BADIY ASAR MATNI USTIDA ISHLASH	290
T.G.Valijonova Z.M.Xojimurotova	BOSHLANG'ICH SINF O'QUVCHILARINI BADIY MATN USTIDA ISHLASH ORQALI MUSTAQIL FIKRLASHGA O'RGATISH	294
S.G.Jumanova D.N.Zakiryayeva	BOSHLANG'ICH TA'LMDA PIRLS TOPSHIRIQLARI USTIDA ISHLASH	296
S.B.Qo'chqorova M.U.Xo'jaqulova	BOSHLANG'ICH SINF O'QUVCHILARINING TA'LIM-TARBIYASIDA ERTAKLARNING AHAMIYATI	300
Z.A.Abdusattorova M.A.Rahmonova	ERTAK JANRIGA XOS MATNLARINI O'RGANISH	303
F.Safarova M.Ataqulova	BOSHLANG'ICH SINFLARDA "MATN" MAVZUSINING O'RGATILISHI	305
Sh.Anorqulova L.Raxmonova	BOSHLANG'ICH SINF O'QUVCHILARINI O'QISH VA YOZISHGA O'RGATISH USULLARI	308
O.K.Abdurahimova	ILMIY OMMABOP JANRGA XOS MATNLAR	312

Uzluksiz ta'lim tizimida raqamli va innovatsion texnologiyalarning dolzarb muammolari

Z.B.Burxiyeva	USTIDA ISHLASH	
M.I.Norbo'tayeva D.A.Xolmamatova	BOSHLANG'ICH SINFLARDA O'QUVCHILARI TA'LIM-TARBIYASIDA MAQOL JANRINING AHAMIYATI	316
D.X.Qodirqulova N.N.Turdibekova	BOSHLANG'ICH SINFLARDA BADIY ASARNI TAHLIL QILISH USTIDA ISHLASH	318
N.Saydullayeva F.B.Abdusamatova	BOSHLANG'ICH TA'LIM JARAYONIDA MATN USTIDA ISHLASH ORQALI O'QUVCHILAR NUTQINI O'STIRISH	321
D.H.Rabbimqulova Ch.F.Sharifova	BOSHLANG'ICH SINFLARDA SHE'RIY MATNLAR USTIDA ISHLASHGA INNOVATSION YONDASHUV	325
M.R.Imomxo'jayeva Sh.O'.O'ktamova	BOSHLANG'ICH SINFLARDA O'QUVCHILARINI RASM ASOSIDA IJODIY MATN TUZISHGA O'RGATISH	329
X.R.Botirova N.A.Sadiqulova	BOSHLANG'ICH SINFLARDA MASAL JANRIGA OID MATNLAR USTIDA ISHLASH	332
M.A.Muhiddinova L.I.Hakimova	BOSHLANG'ICH SINFLARDA OLMOSH SO'Z TURKUMINI O'RGATISH USULLARI	337
M.F.Elmurodova F.B.Bahromova	BOSHLANG'ICH SINFLARDA O'QISH SAVODXONLIGI DARSLARIDA MATN TURLARI	340
G.Qurbonboyeva Smaylova Nilufar	BOSHLANG'ICH SINFLARDA O'QUVCHILARINING TAFAKKURINI RIVOJLANTIRISHDA TOPIUSHMOQLARDAN FOYDALANISH USULLARI	343
N.M.Abdikayumova U.G'.Baxtiyorova	BOSHLANG'ICH SINFLARDA O'QUVCHILARINI IJODIY MATN TUZISHGA O'RGATISH STRUKTURASI	345
Sh.N.O'rinboyeva O.U.Muxtorova	BOSHLANG'ICH SINFLARDA O'QUVCHILARINI O'QISH VA YOZISHGA O'RGATISHDA ZAMONAVIY TEXNOLOGIYALARDAN FOYDALANISH	348
A.D.To'xtayeva M.F.Abdushukurova	BOSHLANG'ICH SINFLARDA DARS JARAYONLARIDA DIKTANT MATNI USTIDA ISHLASH METODIKASI	352
H.Xoldorova S.Fayzullayeva	ABDULLA AVLONiy IJODIDA MASAL JANRINING O'RNI	356
G.Saydaliyeva M.O'taganova	BOSHLANG'ICH TA'LIMDA HIKOYA JANRIGA XOS MATNLAR USTIDA ISHLASHNING O'ZIGA XOS SHART-SHAROITLARI	360
Sh.Sh.Usmonova S.G'.Tolibjonova	BOSHLANG'ICH TA'LIMDA MATN USTIDA ISHLASH ORQALI O'QUVCHILAR NUTQINI VA MUSTAQIL FIKRLASH QOBILYATINI O'STIRISH	364
S.G'.Raxmatova N.R.Mamatqulova	BOSHLANG'ICH SINFLARDA SIFAT SO'Z TURKUMINI	368

Uzluksiz ta'lim tizimida raqamli va innovatsion texnologiyalarning dolzarb muammolari

F.O.Yusufboyeva M.Sh.Umarova	O'QITISHDA YANGI INNOVATSION METODLARDAN FOYDALANISH	
L.Rakhimjonova O.Namozova	3-SINF O'QISH SAVODXONLIGI DARSLARIDA HIKOYA JANRIGA XOS METALLAR USTIDA ISHLASH IMKONIYATLARI	372
A.A'zamova S.Xaitboyeva E.Ne'matova	O'ZBEKISTONDA INKLYUZIV TA'LIMNING KIRIB KELISHI VA RIVOJLANISHI	374
S.SH.Turdiboyeva	O'SMIR YOSHIDAGI BOLALARDA DEVIATSIYA TURLARI	376
O.O.Abduqunduzova	BOSHLANG'ICH SINF ONA TILI DARSLARIDA INTERFAOL METODLARNING O'RNI VA AHAMIYATI	380
Xursanova Mohinur Abdujabbor qizi	BOSHLANG'ICH SINF O'QUVCHILARIDA EKOLOGIK MADANIYATNI VA EKOLOGIK TA'LIMNI SHAKLLANTIRISH METODIKASI	382
Ko'charov Baxtishod Nazarov Elbek	BOSHLANG'ICH SINF O'QUVCHILARIGA DARS MASHG'ULOTLARI JARAYONIDA ZAMONAVIY TEXNOLOGIYALAR VA INTERFAOL USULLARDAN FOYDALANISH	387
S.M.Norboyeva Z. Rasulova	BOSHLANG'ICH TA'LIMDA INNOVATSIYA VOSITALARIDAN FOYDALANISH	390

**PROCEEDINGS OF THE INTERNATIONAL SCIENTIFIC-
PRACTICAL CONFERENCE ON “ACTUAL PROBLEMS OF
DIGITAL AND INNOVATIVE TECHNOLOGIES IN THE
CONTINUING EDUCATION SYSTEMS”**

**“UZLUKSIZ TA'LIM TIZIMIDA RAQAMLI VA
INNOVATSION TEXNOLOGIYALARNING DOLZARB
MUAMMOLARI” MAVZUSIDA XALQARI ILMIY-AMALIY
ANJUMAN MATERIALLARI**

1-QISM