

Volume 2, Issue 4, April, 2024 https://westerneuropeanstudies.com/index.php/2

ISSN (E): 2942-190X

Open Access| Peer Reviewed

**E D E This article/work is licensed under CC Attribution-Non-Commercial 4.0** 

#### PSYCHOLINGUISTIC BASES OF WORK WITH THE TEXT AT THE LESSONS OF RUSSIAN LANGUAGE AND LITERATURE

#### Gulnoza Narimonova,

Teacher of the Russian language department, Namangan State University

**Abstract.** Modern text-oriented Russian language teaching is based on the achievements of Russian philology and psycholinguistics. Psycholinguistics - the theory of speech activity - gives an idea of the correlation between language and consciousness, speech and thinking. The interests of this science lie in determining the psychological features of the relationship between linguistic consciousness and human social activity, social being and life of linguistic individuals.

**Keywords:** Modern Teaching, Psycholinguistics, Speech Activity, Linguistic Consciousness, Linguistic Personality.

Russian language and literature as subjects play a special role, being not only an object of study, but also a means of teaching other school disciplines. This is noted in the "Fundamental Core of Educational Content", aimed at achieving personal, meta-subject and subject results, behind which are the development of communicative, linguistic and linguistic competence, the development of thinking, imagination, intellect, creative abilities, skills of independent learning activities. All this ensures the upbringing of a full-fledged, socially developed, spiritual personality, capable of applying effective ways of action and decisions in the modern world.

The ability to work with text is a prerequisite for successful learning and passing the Russian language exam in the traditional and new forms for the basic school course. When students move to the secondary school, it is most effective to use work with the text to achieve subject, meta-subject and personal results, taking into account the age-related psychological characteristics of adolescents, peculiarities of their thinking, attention, memory, imagination, psychological laws of mastering speech.

Modern text-oriented Russian language teaching is based on the achievements of Russian philology and psycholinguistics. Psycholinguistics - the theory of speech activity - gives an idea of the correlation between language and consciousness, speech and thinking. The interests of this science lie in determining the psychological features of the relationship between linguistic consciousness and human social activity, social being and life of linguistic individuals. From the standpoint of psycholinguistics the linguistic personality is in the center of attention, the processes of generation and perception of the text are considered as a result of speech and thinking activity of an individual, as a "way of reflection of reality in consciousness". The text reveals to pupils the possibilities of understanding words, turns of speech, grammatical forms, constructions in expressing thoughts. Students master a new area of linguistics - text linguistics.

As early as in the fifth grade, I set learning tasks for students, designed for certain results of universal learning actions, which create the possibility of independent successful assimilation

Volume 2, Issue 4, April, 2024 https://westerneuropeanstudies.com/index.php/2

ISSN (E): 2942-190X

Open Access| Peer Reviewed

EST This article/work is licensed under CC Attribution-Non-Commercial 4.0

of new knowledge and skills. Pupils gradually learn the laws of text construction, peculiarities of its meaning and language, accumulate and concretize knowledge at the expense of speech experience. Systematic reference to the text strengthens the practical orientation of Russian language teaching, increases motivation for learning activities.

In order to achieve the subject results when working with text I use the following methodological techniques: commented reading, distinguishing texts of different types and styles, finding the main information in the text, compression techniques, retelling the text, making questions about the text, drawing up a story plan based on the text, selecting reference words for better memorization and understanding of the text, keeping a dictionary of terms on the topic. Special attention is paid to the issues of lexical, grammatical and stylistic combination of words, in which an idea of the ways of linking sentences in the text is formed.

At the first acquaintance with the text Personal learning actions (interest, motivation) are aimed at the formation of personal, emotional and positive attitude to oneself and the surrounding world, the desire to perform a learning action using one's own recreative imagination. According to the psychologist Granik G.G. "the work of recreative imagination permeates the entire educational process, without it it is impossible to imagine a full-fledged learning". But a special role of recreative imagination plays when reading fiction texts both at the lessons of literature and at the lessons of Russian language..... The teacher's task is to make it so that when reading, pupils mentally "see" and "hear" what they are reading. The pupil becomes an organizer and an active participant in communication. This approach includes students in speech activity, prepares them to create their own texts of a certain style and genre, to communicate competently in accordance with the situation and environment.

Regulatory actions ensure the organization of learning activities: goal setting, planning, forecasting, control in the form of comparing the method of action and its result with the given standard, correction and evaluation. In order to form regulatory actions, students are offered texts with errors of different kinds for control and mutual control, or finding an orthogram in a supposed error-prone place.

Cognitive learning actions are aimed at independent selection and formulation of cognitive goal, search and selection of necessary information, selection of the most effective ways of solving learning problems. For this purpose, the method of "brainstorming", i.e. creating a problem situation, is used in literature lessons. For example, before reading a text, a task is proposed that contains a question: "One of the sentences of the text says that "a pilot or a doctor does not need a foreign language". Do you agree with this? Argue your answer." In this case, the student can understand what the text is about before he or she even looks at the structure of the text.

Communicative learning actions include the formation of the following processes: planning learning activities on the basis of cooperation with the teacher and peers, defining the goal, assigning the functions of participants, ways of interaction (working in a group or in pairs), asking questions, working together to find and collect information, the ability to accurately express their thoughts in accordance with the tasks and conditions of communication, to master monologic and dialogic forms of speech in accordance with the grammatical and syntactic norms of the Russian language.

Psycholinguistics has accumulated an extensive material of methods and techniques of work with text. Traditional forms and methods of organizing work with text give positive learning results: complex work with text, linguistic and stylistic analysis, "self-dictation", essay-discussion, text editing, linguistic exercises, work with miniature texts, test tasks with different



Volume 2, Issue 4, April, 2024 https://westerneuropeanstudies.com/index.php/2

Open Access| Peer Reviewed

ISSN (E): 2942-190X

© 0. This article/work is licensed under CC Attribution-Non-Commercial 4.0

types of answers to a question. For lessons, it is necessary to carefully select texts that contain various types of punctuations and orthograms that have been studied by the time of text analysis.

Along with traditional forms, non-standard tasks that increase motivation for the subject are successfully used in lessons: guessing a word from the text by its interpretation; deciphering the meaning of proverbs, sayings; micro-research of the text; extended response-research to one of the questions; dramatization, creation of linguistic fairy tales, travel, the game "Erudite", composing texts from unfinished sentences or paragraphs, research of advertising texts. The value of the given tasks is that they are oriented to the social, personal, cognitive and communicative development of the pupil. The proposed exercises develop speech, attention, memory, thinking. At the same time, during the performance of each educational task the pupil performs the functions of a researcher, performs several mental operations, for example, comparison, grouping, generalization. Such non-standard tasks imply the possibility for pupils to choose the text itself, tasks and reference literature.

The most important skill of education is considered to be the skill of reading. Quality reading is a complex and multifaceted process that involves understanding the text, searching for specific information, self-control, restoring context, interpretation, commenting on the text and much more. Such mechanisms as perception, recognition, comparison, comprehension, anticipation, reflection, memory, etc. are involved in the reading process.

The effectiveness of teaching comprehension of texts depends on consistent and systematic work on the formation of meaningful reading. Only under this condition pupils will be able to clearly distinguish between the understandable and incomprehensible in the text, be able to answer questions, highlight the main points, and be able to interpret the text.

I will share some methods of teaching meaningful reading, which I use in my Russian language and literature lessons and which are offered by the author's team under the scientific guidance of Granik G.G.. "Decipher the sentence" (extracting from the sentence all the information contained in it), "Compose a story on the sentence" (composing your own text), "Titling the text" (formation of the ability to perceive the text as a single semantic whole), the task "Tangled proverbs" (formation of the ability to understand the meaning of proverbs on the basis of adequate perception of figurative meaning and metaphor), the task "Choose an epigraph", "Composing a story on the epigraph", the task "Dialogue with the text". For example, pupils are offered to read the text sentence by sentence (phrases) and perform tasks included in the text in a symbolic form. At the end of the sentences, one or two of the four types of tasks are suggested, indicated by a symbol in the text. These tasks are carried out as the text is read and consist of certain directions:

**Q** - question (ask a question about the text);

A - answer (give an answer to the question);

L-look into the future and imagine what will happen next, how events will develop;

**Ch**-check themselves, i.e. compare their answer with the text or their prediction of the future with the description of the future in the text. In this way, students memorize the sequence of narration, find and reveal the main idea of the text faster.

The main types of learning activities are exploratory and assimilative reading. In my practice of work with the text I use the main techniques of the learning reading: the technique of making a regular plan and question plan (allow to comprehend and understand the content of the text), thesis (formulation of the main theses, statements, conclusions), the technique of making



Volume 2, Issue 4, April, 2024 https://westerneuropeanstudies.com/index.php/2

ISSN (E): 2942-190X

Open Access| Peer Reviewed

© 09 This article/work is licensed under CC Attribution-Non-Commercial 4.0

schemes, tables, reference words (generalization and systematization of educational information), the technique of commenting. In order to fully assimilate the information of texts of all styles and types, it is effective to apply the following competence tasks at lessons:

- 1. Arrange the paragraphs of the plan according to the content of the text (The task teaches you to search for necessary information in the text, to identify its structural parts).
- 2. What is the main subject depicted in the text? (The question is aimed at forming the ability to identify the main task of the text).
- 3. What subject or phenomenon is the background for showing the main object? (The task helps to distinguish the background material in the text, which contributes to the separation of the main and secondary).
- 4. Do you agree with the writer? Explain your point of view (Pupils develop the ability to justify their point of view, interpret the text).
- 5. Why did the author used this type of speech in the text? (The task is aimed at forming the ability to correlate the content of the work and the linguistic side of its expression).
- 6. Is it possible to insert an additional description of a subject or phenomenon into this text? (The task checks the systematic understanding of the text).
- 7. What historical moment is depicted in the text and what time of year does it take place? (Such questions form the ability to search for information given in the text in an implicit form, to generalize information using interdisciplinary knowledge).
- 8. What source do you think the text is taken from (from an encyclopedia, from fairy tales, from myths, etc.)? (This question is designed to teach the skill of identifying the source of information).
- 9. What do you think this text teaches? (The task is aimed at reflection, the answer is supposed to be free).

The system of work with linguistic and artistic texts is built in the logic of the lessons of Russian language and literature and is aimed, starting from school, at the formation of literacy and special subject, meta-subject and personal results.

#### REFERENCES

- 1. Sorokin Yu. A. Psycholinguistic aspects of text study. Moscow: Nauka, 1985. (In Russian)
- 2. Belyanin V. P. Psycholinguistic Aspects of the Artistic Text. Moscow State University, 1988. (*In Russian*)
- 3. Granik G.G., Kontsevaya L.N., Bondarenko S.M. "When the book teaches", M: Pedagogika, 1991. (In Russian)
- 4. Zaitseva O.N. Reading comprehension tasks. Moscow: "Exam", 2013. (In Russian)
- 5. Ш. А. Набиев. Обучение студентов узбекских групп вузов склонению по родам притяжательных местоимений русского языка на основе грамматических моделей. *Science and Education*. Volume 2, Issue 5, pp.980-985 (2021)
- 6. Sh. A. Nabiyev. Training the students of uzbek groups of non-philological directions to decline the personal pronouns of the russian language on the basis of the grammatic model. *Scientific and Technical Journal of Namangan Institute of Engineering and Technology*. Volume 2, Issue 4, pp.359-364 (2020)
- 7. М.И. Тургунбоева, Ш.А. Набиев. Формирование навыков русской речи как неродной у детей среднего дошкольного возраста. *Science and Education*. Volume 3, Issue 5, pp.1531-1535 (2022)



Volume 2, Issue 4, April, 2024 https://westerneuropeanstudies.com/index.php/2

Open Access| Peer Reviewed

ISSN (E): 2942-190X

Description This article/work is licensed under CC Attribution-Non-Commercial 4.0

- 8. Sh.A. Nabiev. Training students of uzbek groups of nonphylological directions conjugation of the imperfect verb of the Russian language based on a grammatic model. *EPRA International Journal of Research and Development (IJRD)*. Volume 6, Issue 4, pp.33-36 (2021)
- 9. G.N. Narimonova. Psycholinguistics as a tool for in-depth study of speech and language. *Science and Education*. Volume 3, Issue 2, pp.546-550 (2022)
- 10. Н.Г. Наримонова. Внешние законы развития языка. НамГУ научный вестник одаренных студентов. Том 1, Номер 1, стр. 215-218 (2023)
- 11. Гулноза Наримонова. Ключевые тенденции развития русского литературного языка. Eurasian Journal of Academic Research. Volume 2, Issue 6, pp. 544-546 (2022).
- Gulnoza Narimonova. Changes in the Russian Language in the Modern Period and Language Policy. Texas Journal of Philology, Culture and History. Volume 25, pp.40-43 (2023).
- 13. Gulnoza Narimonova. Modern Information Technologies in Teaching the Russian Language. Journal of Pedagogical Inventions and Practices. Volume 27, pp.3-5 (2023)
- 14. S. Abdullayeva, G. Narimonova. External laws of language development. Proceedings of International Educators Conference. Volume 2, Issue 3, pp.59-62 (2023)
- 15. R.G. Rakhimov. Clean the cotton from small impurities and establish optimal parameters. The Peerian Journal. Vol.17, pp.57-63 (2023).
- 16. F.G. Uzoqov, R.G. Rakhimov. Determining the hardness coefficient of the sewing-knitting machine needle. DGU 23281. 15.03.2023
- 17. F.G. Uzoqov, R.G. Rakhimov. Movement in a vibrating cotton seed sorter. DGU 22810. 03.03.2023
- F.G. Uzoqov, R.G. Rakhimov. Calculation of cutting modes by milling. DGU 22812. 03.03.2023
- 19. F.G. Uzoqov, R.G. Rakhimov. The program "Creation of an online platform of food sales". DGU 22388. 22.02.2023
- 20. N.D. Nuritdinov, M.N. O'rmonov, R.G. Rahimov. Creating special neural network layers using the Spatial Transformer Network model of MatLAB software and using spatial transformation. DGU 19882. 03.12.2023
- 21. F.G. Uzoqov, R.G. Rakhimov, S.Sh. Ro'zimatov. Online monitoring of education through software. DGU 18782. 22.10.2022
- 22. F.G. Uzoqov, R.G. Rakhimov. Electronic textbook on "Mechanical engineering technology". DGU 14725. 24.02.2022
- 23. F.G. Uzoqov, R.G. Rakhimov. "Calculation of gear geometry with cylindrical evolutionary transmission" program. DGU 14192. 14.01.2022
- 24. Р. F. Рахимов. Таълим тизимида инновацион ва педагогик ёндашувларни афзалликлари хусусида. НамДУ илмий ахборотномаси. Махсус сон. 2020
- 25. R.G. Rakhimov. The advantages of innovative and pedagogical approaches in the education system. Scientific-technical journal of NamIET. Vol.5, Iss.3, pp.292-296. 2020Р.Г. Рахимов. Очиститель хлопка-сырца от мелкого сора. Механика ва технология илмий журнали. 2023. 2(5), Maxcyc сон. 293-297
- 26. U.I. Erkaboev, G. Gulyamov, J.I. Mirzaev, R.G. Rakhimov, N.A. Sayidov, Calculation of the Fermi–Dirac Function Distribution in Two-Dimensional Semiconductor Materials at High Temperatures and Weak Magnetic Fields, Nano. 16(9), Article No 2150102 (2021)



Volume 2, Issue 4, April, 2024 https://westerneuropeanstudies.com/index.php/2

Open Access| Peer Reviewed

ISSN (E): 2942-190X

**D** This article/work is licensed under CC Attribution-Non-Commercial 4.0

- 27. G. Gulyamov, U.I. Erkaboev, R.G. Rakhimov, J.I. Mirzaev, N.A. Sayidov, Determination of the dependence of the two-dimensional combined density of states on external factors in quantum-dimensional heterostructures, Modern Physics Letters B, 37(10), Article No 2350015 (2023)
- 28. G. Gulyamov, U.I. Erkaboev, R.G. Rakhimov, J.I. Mirzaev, On Temperature Dependence of Longitudinal Electrical Conductivity Oscillations in Narrow-gap Electronic Semiconductors, Journal of Nano- and Electronic Physics, 12(3), Article No 03012 (2020)
- 29. U.I. Erkaboev, U.M. Negmatov, R.G. Rakhimov, J.I. Mirzaev, N.A. Sayidov, Influence of a quantizing magnetic field on the Fermi energy oscillations in two-dimensional semiconductors, International Journal of Applied Science and Engineering, **19**(2), Article No 2021123 (2022)
- 30. U. Erkaboev, R. Rakhimov, J. Mirzaev, N. Sayidov, U. Negmatov, M. Abduxalimov, Calculation of oscillations in the density of energy states in heterostructural materials with quantum wells, AIP Conference Proceedings, **2789**(1), Article No 040055 (2023)
- 31. U. Erkaboev, R. Rakhimov, J. Mirzaev, N. Sayidov, U. Negmatov, A. Mashrapov, Determination of the band gap of heterostructural materials with quantum wells at strong magnetic field and high temperature, AIP Conference Proceedings, **2789**(1), Article No 040056 (2023)
- 32. U. Erkaboev, R. Rakhimov, J. Mirzaev, U. Negmatov, N. Sayidov, Influence of the two-dimensional density of states on the temperature dependence of the electrical conductivity oscillations in heterostructures with quantum wells, International Journal of Modern Physics B. (2023). <u>https://doi.org/10.1142/S0217979224501856</u>
- 33. U.I. Erkaboev, R.G. Rakhimov, Determination of the Dependence of Transverse Electrical Conductivity and Magnetoresistance Oscillations on Temperature in Heterostructures Based on Quantum Wells, e-Journal of Surface Science and Nanotechnology, (2023). <u>https://doi.org/10.1380/ejssnt.2023-070</u>
- 34. U.I. Erkaboev, N.A. Sayidov, R.G. Rakhimov, U.M. Negmatov, Simulation of the temperature dependence of the quantum oscillations'effects in 2D semiconductor materials, Euroasian Journal of Semiconductors Science and Engineering. 3(1), pp.47-55 (2021)
- 35. U.I. Erkaboev, G. Gulyamov, J.I. Mirzaev, R.G. Rakhimov, Modeling on the temperature dependence of the magnetic susceptibility and electrical conductivity oscillations in narrow-gap semiconductors, International Journal of Modern Physics B. 34(7), Article No 2050052 (2020)
- 36. G. Gulyamov, U.I. Erkaboev, N.A. Sayidov, R.G. Rakhimov, The influence of temperature on magnetic quantum effects in semiconductor structures, Journal of Applied Science and Engineering, **23**(3), pp.453-460 (2020)
- 37. R. Rakhimov, U. Erkaboev, Modeling of Shubnikov-de Haaz oscillations in narrow band gap semiconductors under the effect of temperature and microwave field, Scientific and Technical Journal of Namangan Institute of Engineering and Technology, 2(11), pp.27-35 (2020)
- U.I. Erkaboev, R.G. Rakhimov, N.A. Sayidov, Mathematical modeling determination coefficient of magneto-optical absorption in semiconductors in presence of external pressure and temperature, Modern Physics Letters B, 35(17), Article No 2150293 (2021)



Volume 2, Issue 4, April, 2024 https://westerneuropeanstudies.com/index.php/2

Open Access| Peer Reviewed

ISSN (E): 2942-190X

3773901 + + + + + +

DS This article/work is licensed under CC Attribution-Non-Commercial 4.0

- 39. U.I. Erkaboev, R.G. Rakhimov, N.Y. Azimova, Determination of oscillations of the density of energy states in nanoscale semiconductor materials at different temperatures and quantizing magnetic fields, *Global Scientific Review*, **12**, pp.33-49 (2023)
- 40. U.I. Erkaboev, R.G. Rakhimov, J.I. Mirzaev, N.A. Sayidov, The Influence of External Factors on Quantum Magnetic Effects in Electronic Semiconductor Structures, International Journal of Innovative Technology and Exploring Engineering, **9**(5), pp.1557-1563 (2021)
- 41. U.I. Erkaboev, R.G. Rakhimov, Determination of the dependence of the oscillation of transverse electrical conductivity and magnetoresistance on temperature in heterostructures based on quantum wells, East European Journal of Physics, 3, pp.133-145 (2023)
- 42. U.I. Erkaboev, R.G. Rakhimov, Simulation of temperature dependence of oscillations of longitudinal magnetoresistance in nanoelectronic semiconductor materials, e-Prime Advances in Electrical Engineering, Electronics and Energy, 3, Article No 100236 (2023)
- 43. U.I. Erkaboev, G. Gulyamov, R.G. Rakhimov, A new method for determining the bandgap in semiconductors in presence of external action taking into account lattice vibrations, Indian Journal of Physics, **96**(8), pp.2359-2368 (2022)
- 44. U.I. Erkaboev, R.G. Rakhimov, N.A. Sayidov, J.I.Mirzaev, Modeling the temperature dependence of the density oscillation of energy states in two-dimensional electronic gases under the impact of a longitudinal and transversal quantum magnetic fields, Indian Journal of Physics, **97**(4), pp.1061–1070 (2023)
- 45. U.I. Erkaboev, R.G. Rakhimov, J.I. Mirzaev, U.M. Negmatov, N.A. Sayidov, Influence of a magnetic field and temperature on the oscillations of the combined density of states in two-dimensional semiconductor materials, Indian Journal of Physics, **98**(1), pp.189-197 (2024)
- 46. U.I. Erkaboev, N.A. Sayidov, U.M. Negmatov, J.I. Mirzaev, R.G. Rakhimov, Influence temperature and strong magnetic field on oscillations of density of energy states in heterostructures with quantum wells HgCdTe/CdHgTe, E3S Web of Conferences, 401, Article No 01090 (2023)
- 47. U.I. Erkaboev, N.A. Sayidov, U.M. Negmatov, R.G. Rakhimov, J.I. Mirzaev, Temperature dependence of width band gap in  $In_xGa_{1-x}As$  quantum well in presence of transverse strong magnetic field, E3S Web of Conferences, **401**, Article No 04042 (2023)
- 48. U.I. Erkaboev, R.G. Rakhimov, U.M. Negmatov, N.A. Sayidov, J.I. Mirzaev, Influence of a strong magnetic field on the temperature dependence of the two-dimensional combined density of states in InGaN/GaN quantum well heterostructures, Romanian Journal of Physics, **68**, Article No 614 (2023)
- 49. R.G. Rakhimov, Determination magnetic quantum effects in semiconductors at different temperatures, VII International Scientific and Practical Conference "Science and Education: problems and innovations", February 12, pp.12-15 (2021)
- 50. G. Gulyamov, U.I. Erkaboev, R.G. Rakhimov, N.S. Sayidov, J.I.Mirzaev, Influence of a strong magnetic field on Fermi energy oscillations in two-dimensional semiconductor materials, Scientific Bull., Phys. and Mathematical Res. 3(1), Article No 2 (2021)



Volume 2, Issue 4, April, 2024 https://westerneuropeanstudies.com/iu

https://westerneuropeanstudies.com/index.php/2

ISSN (E): 2942-190X

937930 \* \* \* \* \*

Open Access| Peer Reviewed

This article/work is licensed under CC Attribution-Non-Commercial 4.0

- 51. U.I. Erkaboev, R.G. Rakhimov, N.A. Sayidov, Influence of pressure on Landau levels of electrons in the conductivity zone with the parabolic dispersion law, Euroasian Journal of Semiconductors Science and Engineering, **2**(1), pp.27-33 (2020)
- 52. R. Rakhimov, U. Erkaboev, Modeling the influence of temperature on electron landau levels in semiconductors, Scientific and Technical Journal of Namangan Institute of Engineering and Technology, 2(12), pp. 36-42 (2020)
- 53. R.G. Rakhimov, Clean the cotton from small impurities and establish optimal parameters, The Peerian Journal, 17, pp.57–63 (2023)
- 54. У.И. Эркабоев, Р.Г. Рахимов, Ж.И. Мирзаев, Н.А. Сайидов, У.М. Негматов. Вычисление осцилляции плотности энергетический состояний в гетеронаноструктурных материалах при наличии продольного и поперечного сильного магнитного поля. Международные конференции "Научные основы использования информационных технологий нового уровня и современные проблемы автоматизации", стр.341-344 (2022)
- 55. У.И. Эркабоев, Р.Г. Рахимов, Ж.И. Мирзаев, Н.А. Сайидов, У.М. Негматов. Расчеты температурная зависимость энергетического спектра электронов и дырок в разрешенной зоны квантовой ямы при воздействии поперечного квантующего магнитного поля. Международные конференции "Научные основы использования информационных технологий нового уровня и современные проблемы автоматизации", стр. 344-347 (2022)
- 56. U.I. Erkaboev, N.A. Sayidov, J.I. Mirzaev, R.G. Rakhimov, Determination of the temperature dependence of the Fermi energy oscillations in nanostructured semiconductor materials in the presence of a quantizing magnetic field, Euroasian Journal of Semiconductors Science and Engineering, **3**(2), pp.47-52 (2021)
- 57. U.I. Erkaboev, U.M. Negmatov, J.I. Mirzaev, N.A. Sayidov, R.G. Rakhimov, Modeling the Temperature Dependence of the Density Oscillation of Energy States in Twodimensional Electronic Gases Under the Impact of a Longitudinal and Transversal Quantum Magnetic Field, Acta Scientific Applied Physics, 2(3), pp.12-21 (2022)
- 58. Р.Г. Рахимов, У.И. Эркабоев. Моделирование осцилляций Шубникова-де Гааза в узкозонных полупроводниках под действием температуры и СВЧ поля. Научный вестник Наманганского государственного университета. Том 4, Номер 4, стр.242-246.
- 59. U.I. Erkaboev, R.G. Rakhimov. Oscillations of transverse magnetoresistance in the conduction band of quantum wells at different temperatures and magnetic fields. Journal of Computational Electronics. 2024. pp. 1-12
- 60. I.I. Nurmatov, Sh.R. G'aniyev. The Importance of Information and Communication Technologies in Education: Enhancing Learning in the Digital Age. Eurasian Journal of Learning and Academic Teaching. 2023. Vol. 21, pp.18-22
- 61. I.I. Nurmatov. The role and significance of mobile applications in the educational system. Educational Research in Universal Sciences. 2023. Vol. 2, Iss. 11, pp. 406-409
- 62. M. Asqarova. Boshlang'ich ta'limda xalqaro baholash dasturlaridan foydalanishning metodik asoslari. Education and innovative research. 2023. № 8. стр. 89-92
- M. Asqarova. Development of reading and text comprehension skills in primary school students. International Conference on "Scientific researches for development future". 2019. pp. 91-93



Volume 2, Issue 4, April, 2024 https://westerneuropeanstudies.com/index.php/2

ISSN (E): 2942-190X

Open Access| Peer Reviewed

Description This article/work is licensed under CC Attribution-Non-Commercial 4.0

- 64. M. Asqarova. Xalqaro tadqiqotlarda boshlang'ich sinf oʻquvchilarining savodxonligini oshirishning amaliy-pedagogik asoslari. Namangan davlat universiteti Ilmiy axborotnomasi. 2023. Vol. 8, pp. 754-758
- 65. M.A. Askarova. System of development of skills of reading and understanding of the text at pupils of primary classes. Scientific and Technical Journal of Namangan Institute of Engineering and Technology. 2020. Vol. 2, Iss. 3, pp. 487-489
- 66. M.A. Askarova. The pedagogical and psychological factors of reading and reading engagement in primary school students. Scientific and Technical Journal of Namangan Institute of Engineering and Technology. 2019. Vol. 1, Iss. 10, pp.308-311
- 67. M.A. Askarova. Methods of development of reading skills in primary school students. Scientific and Technical Journal of Namangan Institute of Engineering and Technology. 2019. Vol. 1, Iss. 9, pp. 249-253
- M.A. Asqarova. Develop reading and text comprehension skills in primary school students. European Journal of Research and Reflection in Educational Sciences. 2019. Vol. 7, Iss. 12