

JCROSS (CROSSWORD) – BLOCK USAGE METHODOLOGY

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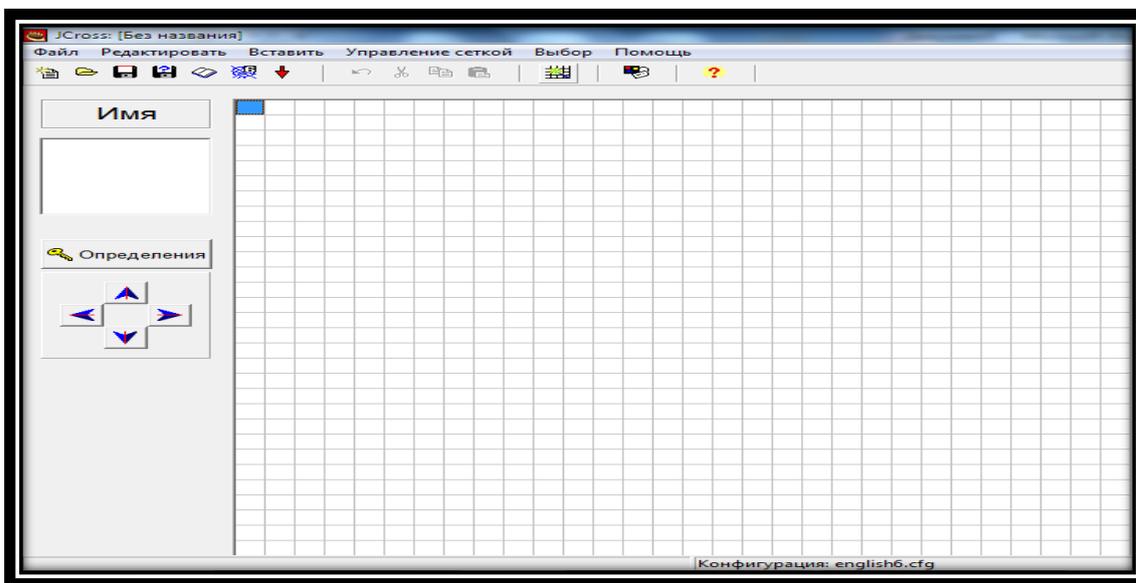
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Abstract:

This article presents a methodology for using the JCROSS block (CROSSWORD) in secondary schools. Also, the developed methodological recommendations serve to expand the knowledge of students, and the use of the JCROSS block (CROSSWORD) is of great importance.

Key words: JCross Program, HotPotatoes, HTML Pages, Web Browsing, Crossword

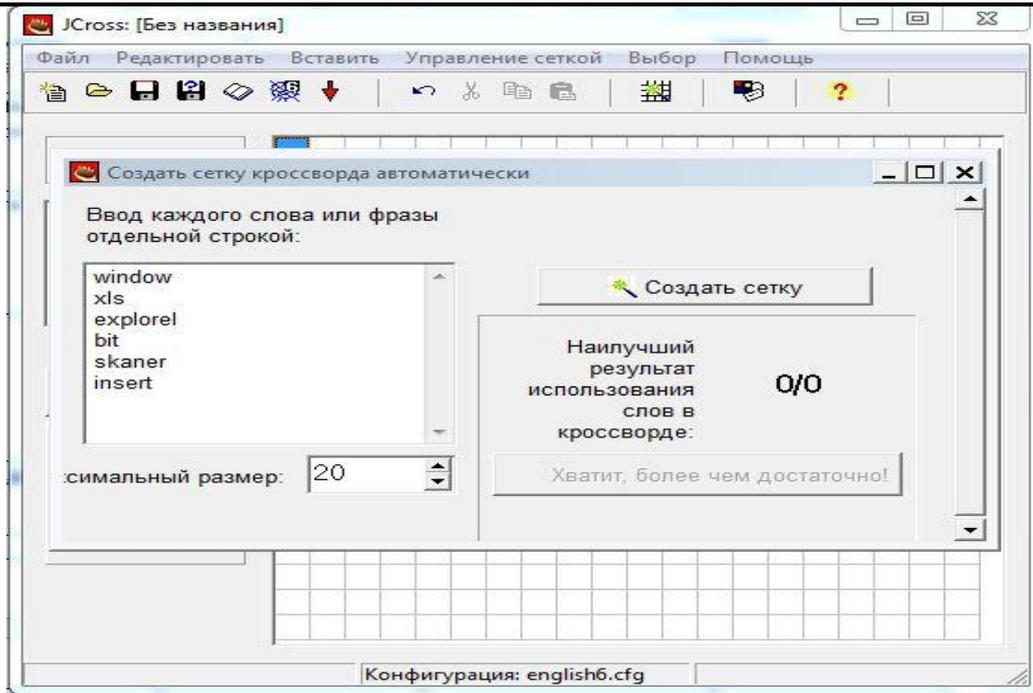
JCross software is designed to produce puzzles quickly. This type of work is very popular in high school. Select a program from the Jcross potato HotPotatoes menu or screen, then click on the appropriate potato to compile the need to use the program HotPotatoes and interact.



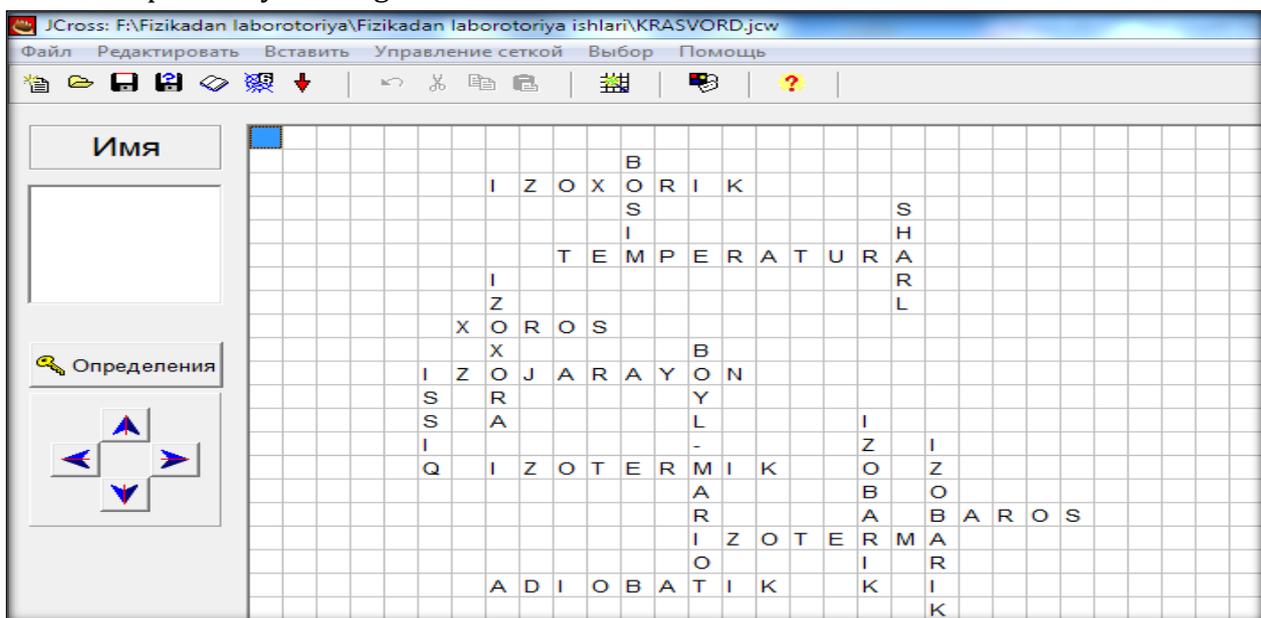
In the name field, you can enter the name of the thumbnail . To write a puzzle words, there are two procedures:

- manual word placement;
- automatic placement of words in the clock.

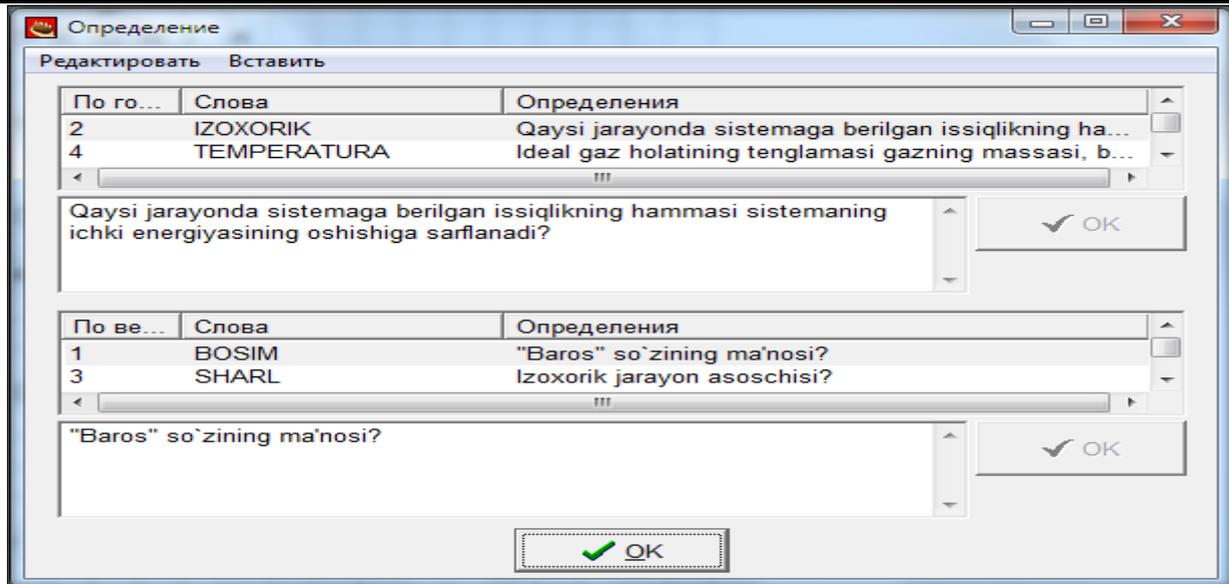
In the dialog box where all the words are opened, the automatic placement of the words entered in the list of input words, all words must be entered in separate lines, then the program selects the options for its placement. The maximum size indicates the maximum number of cameras in a crossword. Clicking Create creates a puzzle.



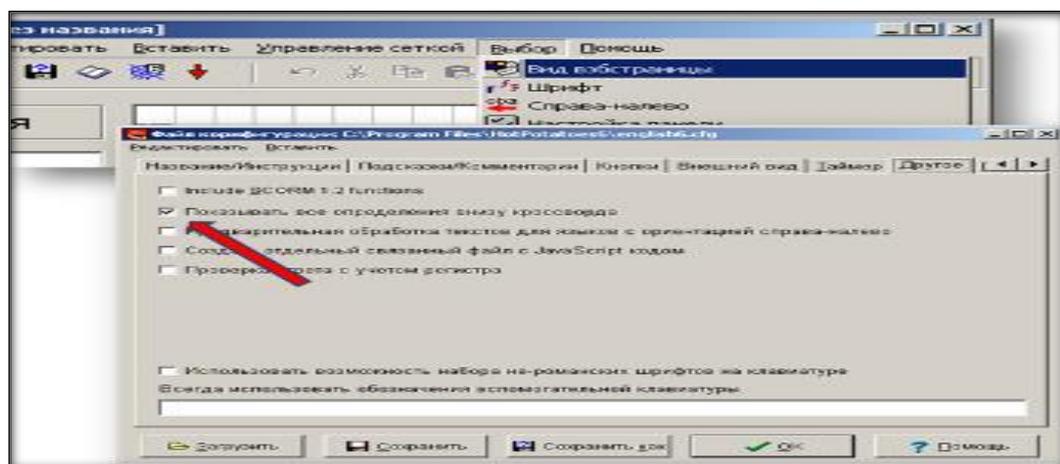
In the dialog box where all the words are opened, the automatic placement of the words entered in the list of input words, all words must be entered in separate lines, then the program selects the options for its placement. The maximum size indicates the maximum number of cameras in a crossword. Create guide creates a puzzle by clicking.



Note. Use the arrow keys in the lower left corner of the screen, you can ask created under a puzzle in the field. The next step we need to introduce the definition of words. These definitions describe these words to enter definitions, where the definitions dialog box appears.

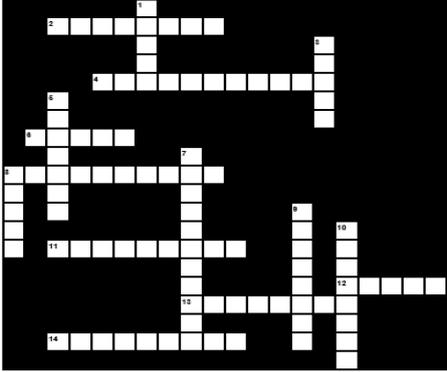


At the top of the screen, crossword words are placed vertically at the bottom of the horizontal. Enter these definitions and click OK, enter the necessary word to highlight the definition of the desired word in the list window below from the list. The order of input definitions does not matter. You can make any changes in the introduction of definitions then the program will save the appropriate definition when moving the words. Select View you can install web pages through the Advanced settings menu in the task configuration. Definitions for each word appear at the same time as puzzles published in newspapers and magazines , or can be used for a identify. To select the style of this image used, click on all definitions of a puzzle deck view.



Then it is necessary to save the project and publish a puzzle puzzle in the form of HTML pages. The procedure for performing the task is a puzzle with the following steps. Student crossword chooses the first room of a word. Regardless of whether there are definitions, you need to click on this button, the definition of the corresponding words, whether there is a word and a complete list.

KROSSVORD
18:20



NATIJANI KO'RISH

GORIZONTAL:

2. Qaysi jarayonda sistemaga berilgan issiqlikning hammasi sistemaning ichki energiyasining oshishiga sarflanadi?
4. Ideal gaz holatining tenglamasi gazning massasi, bosimi, hajmi va _____si orasida bog'lanishni ifodalaydi.
6. Hajm ma'nosini anglatuvchi so'z?
8. Berilgan gazning birotta makroskopik parametri o'zgarmas bo'lganda qolganlari orasidagi bog'lanishni tavsiflaydigan jarayon _____ deb ataladi.
11. Qaysi jarayonda ideal gazga berilgan issiqlik ish bajarishga sarflanadi?
12. Bosim ma'nosini anglatuvchi termin?
13. Izotermik jarayon PV diagrammada _____ bilan ifodalanadi.
14. Issiqlik almashmaydigan qilib izolyatsiyalangan sistemadagi jarayon _____ jarayon deyiladi.

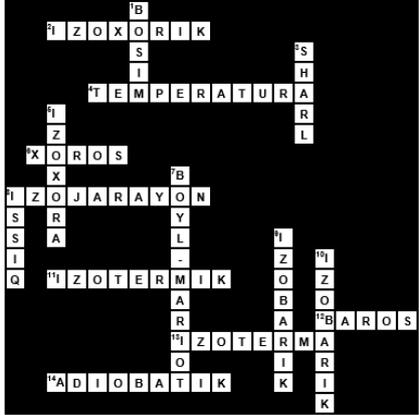
VERTIKAL:

1. "Baros" so'zining ma'nosi?
3. Izoxorik jarayon asoschisi?
5. Izoxorik jarayon T-p diagrammada _____ bilan ifodalanadi.
7. Izotermik jarayon asoschisi?
8. "Temos" so'zining ma'nosi?
9. Bosim o'zgarmas bo'lganda kechadigan fizik jarayon _____ deyiladi.
10. Qaysi jarayonda sistemaga berilgan issiqlik sistemaning ichki energiyasini oshirishga va o'zgarmas bosimda ish bajarishga sarflanadi?

An arbitrary puzzle completion sequence. After filling all the cells of the crossword, it is possible to check whether the filling is correct. The puzzle can be in two versions. To create the input version of the first, you can use the menu File. In the black-and-white version, a web page with a puzzle is displayed. page entry can be displayed from the browser through the menu File

KROSSVORD
18:35

GORIZONTAL: 14. Issiqlik almashmaydigan qilib izolyatsiyalangan sistemadagi jarayon _____ jarayon deyiladi.



NATIJANI KO'RISH

GORIZONTAL:

2. Qaysi jarayonda sistemaga berilgan issiqlikning hammasi sistemaning ichki energiyasining oshishiga sarflanadi?
4. Ideal gaz holatining tenglamasi gazning massasi, bosimi, hajmi va _____si orasida bog'lanishni ifodalaydi.
6. Hajm ma'nosini anglatuvchi so'z?
8. Berilgan gazning birotta makroskopik parametri o'zgarmas bo'lganda qolganlari orasidagi bog'lanishni tavsiflaydigan jarayon _____ deb ataladi.
11. Qaysi jarayonda ideal gazga berilgan issiqlik ish bajarishga sarflanadi?
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VERTIKAL:

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In this, the Jcross program is designed to produce puzzles quickly, and such a type of work is a highly effective program for schoolchildren of general secondary education. It affects the increase in the level of knowledge of the student, their consciousness and psyche, the study under study helps to better understand and firmly remember the material.

Referances

1. А.А.Ахмедов, Э.А.Кудратов, Д.М.Холов. "Инновационные Технологии В Науке И Образовании" сборник статей победителей международной научно-практической конференции. 2016. Издательство: Наука и Просвещение. Пенза.
2. Б.Ф.Избосаров, А.А.Ахмедов, И.Р.Камалов. "Инновационные подходы к проведению лабораторных работ по физике". Новые технологии в образовании. 106-109.
3. E.N.Xudayberdiyev. "Bo'lajak fizika o'qituvchilarini tayyorlashda olamning fizik manzarasi bo'yicha tasavvurlarni shakllantirish". Academic research in educational sciences. 2021.
4. A.K.Kutbeddinov. "Generalization of uranium radio features in teaching natural sciencesak". Молодые ученые. 2023. 129-134.
5. I.R. Kamolov, G.I. Sayfullaeva -Formation of teacher's competence in the performance of laboratory and experimental works Journal of critical reviews. ISSN-2394-5125, 2020
6. D.I.Kamalova, S.N.Abdusalomova. "Zamonaviy innovatsion ta'lim". Journal of universal science research. Volume 1. Issue 1. 17 january, 2023. pp. 187-189.
7. Сарвиноз Тулкуновна Баракаева, Гулхаё Ихтиёровна Сайфуллаева, Сайибжан Садыкович Негматов, Нодира Сайибжановна Абед, Ихтиёр Рамазонович Камолов, Дилнавоз Ихтиёровна Камалова Методика получения композиционных образцов на основе терморепреактивных фурано-эпоксидных полимеров и органоминеральных наполнителей Universum: технические науки, 2021 1-1 (82) 42-45
8. L.K.Samandarov, E.N.Xudayberdiyev. Methodological problems of teaching the theory of particle-wave dualism for physics students. Theoretical&applied science. Теоретическая и прикладная наука. 256-262.
9. U.R.Bekpulatov. "Physical style of thinking-methodological basis for the formation of a scientific world view". Theoretical&Applied Science. 09(89). 183-188.
10. Ҳамроева Севара Насриддиновна, Камолов Ихтиёр Рамазонович. "Педагогика олий таълим муассасаларида бўлажак физика фани ўқитувчиларининг мантиқий фикрлаш қобилиятини stem таълим дастури асосида ривожлантириб ўқитишни такомиллаштириш". Science and innovation International scientific journal. volume 1. issue 6. UIF-2022. 2181-3337.
11. Каримова Ойниса Абдимуминовна. Активизация креативного мышления учащихся на уроке физики Традиции и новации в профессиональной подготовке и деятельности педагога. 227-229.
12. Azzamova Nilufar Buronovna, Nasriddinov Komiljon Rahmatovich. Electrodynamics As A Basis For Consolidating Knowledge Of Electromagnetism. Solid State Technology. 4(63). 5146.
13. У.Д.Шеркулов, А.М.Музафаров, Т.И.Солиев. Determination of mixing factors of daughter radionuclides in the uranium decay chain. Neuroquantology. September. 2022. Volume 20. Issue 11. London.
14. Sh.E.Khalilov, J.M.Khakkulov Z.Sh.Temirov. "Electrochemical Reduction Of Macroiones As A Surface-Active Nanocoating And Nanocomposites". The American Journal of Applied sciences. 2021.
15. Ж.М.Абдуллаев, Л.И.Очилов. "Изъятие пресной воды из подземных вод при помощи гелиоустановки водоносного опреснителя". Молодой учёный научный журнал. 2015/5. 274-276.

16. F.Nabiyeva. Issiqlik hodisalarini o'qitishga oid umumiy metodik tavsiyalar. «Science and innovation». 446-449.
17. Tursunboy Izzatillo ugli Soliyev, Amrullo Mustafoyevich Muzafarov, Bahridin Faxriddinovich Izbosarov. Experimental determination of the radioactive equilibrium coefficient between radionuclides of the uranium decay chain. International Scientific Journal Theoretical&Applied Science. 801-804.
18. L.X.Turabova, D.I.Kamalova. Fizika fanini o'qitishda elektron o'quv qo'llanmalardan foydalanishning ahamiyati. "Polish science journal". Warsaw, Poland. Issue 4(37). April. 2021. pp. 222-225.
19. С.С.Канатбаев, И.Р.Камалов, Д.И.Камолова, Г.И.Сайфуллаева. "Universum: технические науки". Россия. Декабрь, 2016. №12(33). 38-40 стр.
20. Хушвақтов Бекмурод Нормуродович. "Innovative Fundamentals of Non-Traditional Teaching (on The Example of The Optics Department)" Journal of Ethics and Diversity in International Communication". e-ISSN: 2792-4017. www.openaccessjournals.eu. Volume.1 Issue.3.
21. A.R. Sattorov G. I. Sayfullaeva, Methodology of Application of Innovative Educational Technologies from Astronomy to Laboratory Activities 2021/10/29 European Journal of Life Safety and Stability (2660-9630) 125-128
22. O'.K.Sunnatova, G.I.Sayfullayeva. Making a vacuum cleaner using the stem education system in students' laboratory classes. Web of Discoveries: Journal of Analysis and Inventions. 2023. 43-47.
23. Sayfullaeva Gulkhayo Ikhtiyor Kizi, Shodiev Khamza Ruziculovich, Xaitova Shakhnoza G'olibjon Kizi Conditions For The Formation Of Teaching Innovation Activities Journal of Pharmaceutical Negative Results, 2023 2420-2423
24. Э. А. Кудратов Э. А. Аллаберганова, Г. М., Кутбеддинов, А. К., Каримов, А. М., Интерактивные методы обучения студентов естественных специальностей на основании радиационных факторов экосистемы. Педагогика и современность ISSN: 2304-9065
25. В. I Хojiyev, N.A. Ulugberdiyeva, AA Хо'jayev, AA Amonov Studying the transition processes in physics lessons Galaxy International Interdisciplinary Research Journal 10 (5), 873-876, 2022
26. Bozorova Aziza : Sayfullayeva Gulhayo Ixtiyor qizi Astronomiyadan stem dasturidan foydalanib quyosh soati mavzusini o'qitish - Yosh tadqiqotchi jurnali, 2022 35-38.