



Children Nuclear Academy: Dialogue with the future

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Introduction

Children Nuclear Academy was founded in January 2002 on the initiative of Paideia Textbook Institute and Educational Society with the active support from Federal Atomic Energy Agency of Russia (Rosatom).

The Academy is essential for the Russian Nuclear Industry for its primary task is to attract the young, educate them and help them to choose their careers in the nuclear sector to play an important part in securing reliable clean energy for the future development of Russia and worldwide.

Internet allows Children Nuclear Academy to address young audience around the world and invite them to join CNA.

The goals and objectives of Children Nuclear Academy

Providing Personnel for Russian Nuclear Industry through training teenagers in nuclear professions and involvement in challenging work and activities.



General nuclear education for people, dissemination of high-quality and true information about nuclear energy and technologies.

Creating public platform for development of nuclear power and raising life standards in various regions of Russia.



Activities of Children Nuclear Academy

- Network education for mixed children-adults groups. Teaching children, teenagers and young people in nuclear technologies and other professional nuclear areas based on personal preference.
- Educational activities: educational projects and programs (excellence in general and professional training).
- Inviting teachers and nuclear experts into joint working groups to develop the education contents, educational technologies and programs.
- Creation of the INTERNET - PORTAL «Nuclear academy».
- Organizing of the International Competition in scientific and educational projects «Energy of the Future» with active participation of nuclear professionals.

Founders and partners of Competition «Energy of the Future»

- **Federal Atomic Energy Agency of the Russian Federation**
- **Institute of "Paideia" Textbook**
- **Union of nuclear power enterprises and territories**
- **JSC "TECHSNABEXPORT"**
- **Nuclear Safety Institute of the Russian Academy of Science**
- **FSUE "ATOMINFORM"**

The general sponsor – JSC "TECHSNABEXPORT"

Partners and sponsors of Competition: Concern "Rosenergoatom ", JSC "TVEL", JSC "Machine-building plant", FSUE CRPA "Eleron", JSC «Incorporated machine-building plants», the Central District Education Administration of Moscow.

Internet - portal of Children Nuclear Academy

The Internet Portal is a communication nucleus of Children Nuclear Academy.

It serves as a provider of wide-range nuclear information and is a primary tool for Nuclear Academy organizing activities.

For instance, presently the Website of International Competition "Energy of the Future" is discussing 185 projects being developed by schoolchildren and students who are current members of Children Nuclear Academy.



About Children nuclear academy



Strategic programs



Conferences



Yesterday, today and tomorrow of Nuclear



Academy Chairs



Nuclear Questionary



Nuclear Encyclopedia



[Look splash screen >>>>](#)



Magazine "Energy and Life "



Projects



Competition of projects "Energy of the future "



Creative competitions



Young naturalists



"Risk Zone" debate Championship



Website partners



[Sign under Manifest "Nuclear consciousness in XXI century"](#)

Have you joined CNA?

We address our invitation to the youth of Russia who already have or going to take active part in Life of homeland and worldwide. Our Academy will help you to find your own and the only professional purpose in your life.

[\(More>>>\)](#)

To join CNA you only need to send a letter stating why you want to join and which subject appeals to you most.

NEWS

► **[November 15, 2005]**

Sergey Kirienko has been appointed to head Rosatom.
[\(More in detail \)](#)

► **[October 28, 2005.]**

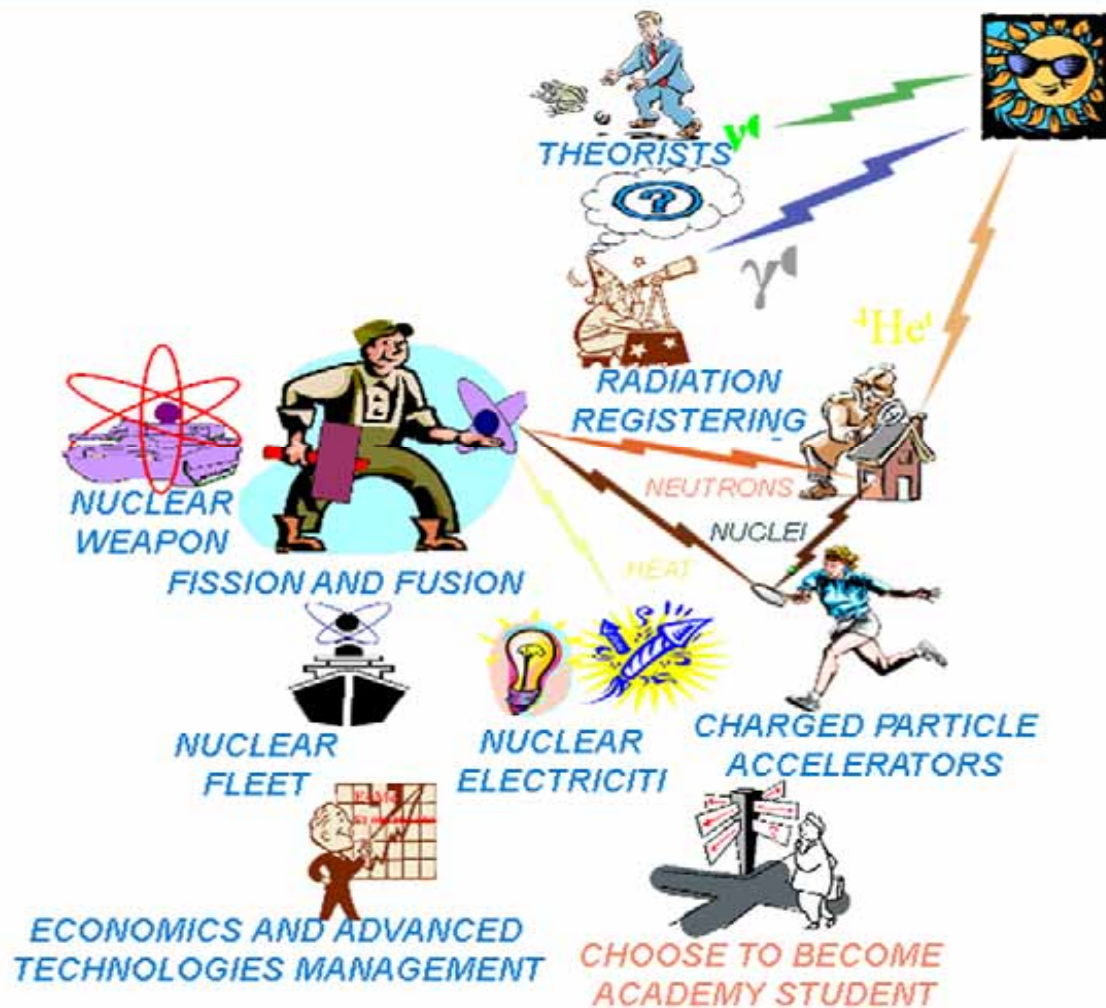
Moscow school teams started debates at "Risk Zone" Championship.
[\(More in detail \)](#)

► **[September 30, 2005.]**

Schoolchildren and students, winners of "Energy of the Future 2005" Competition, took part in Rosatom-hosted Conference "Nuclear Power: Dialog about Future" together with leaders and experts of Nuclear Industry.
[\(More in detail \)](#)



Map of nuclear sphere



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The international competition of scientific
- educational projects «Energy of the
future»



Competition of Projects 2005

Contents:

Nomination №1. [Power production, regions development, life standards. Future of "nuclear cities" and "nuclear cities" of future.](#)

Nomination №2. [Nature and technology. Environmental problems.](#)

Nomination №3. [Safety of nuclear energy](#)

Nomination №4. [Secrets of an atomic nucleus and matter. Application of achievements of a nuclear science, technics and technologies](#)

Nomination №5. [Nuclear power and society. Humanitarian problems of a nuclear civilization.](#)

Nomination №1: Power production, regions development, life standards. Future of "nuclear cities" and "nuclear cities" of the future.

Code of work	Author	Theme	City, establishment of education	Examination and discussion
01001	Alexandra Nechaeva, Valery Krestenina	«Influence of Kalinin NPP, as a city-forming enterprise on demography of Udomlja town» Read (the summary // the project in Word format)	Udomlya, Tver Region, secondary school of OGTD, grade 11 "b"	Library (read / send) Reviews (read / send) Voting (read / send) Conference
01004	Aleksey Kaurkin , Artyom Gorodetsky	«The reasons of braking of introduction of small atomic engineering in life» The finalist of 2005 Read (the summary // the project in Word format)	Balakovo, Saratov Region. Gymnasium №2, grade 10	Library (read / send) Reviews (read / send) Voting (read / send) Conference
01005	Dmitry Sevostyanov	«Population and power» Read (the summary // the project in Word format)	Polyarnye Zori, Murmansk Region, secondary school №4, grade 11	Library (read / send) Reviews (read / send) Voting (read / send) Conference



The international competition of scientific - educational projects «Energy of the future»

About competition

Actually

Organizers:

- [Federal Agency for Atomic Energy of Russian Federation](#)
- ["Institute of "Paideia" Textbook", LTD](#)
- [Children Nuclear Academy](#)
- [The Union of the Territories and Enterprises of Atomic Energy](#)
- [Nuclear Safety Institute of the Russian Academy of Sciences \(IBRAE RAS\)](#)
- ["TEKHSNABEXPORT", JSC](#)
- ["ATOMINFORM", FSUE](#)
- [Kurchatov Institute - the Russian Scientific Center](#)

News:

- 06.12.05 Decision to conduct a regional round of Competition "Energy of the Future 2006" in the town of Seversk, Tomsk Region
- Order # 460 of the Head of Rosatom:
- 12.09.05 Regarding International Competition of Scientific and Educational Projects "Energy of the Future 2006"

Sponsors:

The general sponsor of competition:	 "Tekhsnabexport", JSC
The general sponsor of competition:	

Competitive works on nominations:

1. [Power production, regions development, life standards. Future of "nuclear cities" and "nuclear cities" of future. \(Socio-economic nomination\)](#)
2. [Nature and technology. Environmental problems. \(Environment nomination\)](#)
3. [Radiation and Life. Radiation bio-impact. \(Medicine & Biology nomination\)](#)
4. [Secrets of atomic nucleus and matter. Application of science and technology advances. \(Science & Technology nomination\)](#)
5. [Nuclear power and society. Humanitarian issues of nuclear civilization. \(Humanitarian nomination\)](#)

Number of applications and ready projects in nominations

Nomination	Applications	Ready projects
1	43	4
2	86	8
3	55	2
4	69	2
5	89	6
Total:	342	22

Calendar of competition:

- since November 1, 2005r. to February, 28, 2006 - execution of projects

Partners:

- [Moscow Central Regional Directorate of Education](#)
- [Educational Society](#)
- [Kurchatov Readings Meeting of Youth Organization "Town of Zarechny"](#)
- [Siberian Chemical Combine](#)

Jury :

- **Rafael Arutyunyan**, First Deputy Director of Nuclear Safety Institute
- **Vasiliy Batov**, leading scientist of TSNIIATOMINFORM
- **Igor Bekman**, Professor of Radiochemistry Chair of Moscow State University
- **Vadim Bitkov**, Deputy Director of Media-Centre "Atomium",

“Energy of the Future”, All-Russia Competition of scientific and educational projects.

About one thousand students of schools and colleges from scores of cities and towns in Russia, Ukraine and Kazakhstan are participating in the Competition.

The finals of the Competition are annually conducted in Moscow. The Jury of the Competition select submitted papers for the Finals and the authors of selected papers are invited to Moscow to defend their projects.



The winners of the Competition are awarded respective diplomas.

During the Finals all participants have the opportunity to take part in conferences and meetings with the leaders of Nuclear Industry and visit museums and historical places in Moscow area.

Nominations of “Energy of the Future” Competition

1. Power production, regions development, life standards. Future of “nuclear cities” and “nuclear cities” of future.
2. Global environmental problems. Nature and technology.
3. Safety of nuclear energy.
4. Secrets of atomic nucleus and matter. Application of science and technology advances.
5. Nuclear power and society.

“Energy of the Future”. Defense of projects.



Projects defense is usually conducted in one of the research institutes of Moscow. All those invited are grouped by nomination subjects of their papers.

The members of the Jury and all participants in the Finals of specific nomination subject scrutinize the submitted papers.



Defense is organized as a free discussion and criticism of presented papers. Every participant can ask questions and express own opinion of considered project.

Meeting with the head of JSC "TECHSNABEXPORT"



Results of Children Nuclear Academy (CNA) Activities in 2002 - 2004

- Over 700 students took part in "Energy of the Future" Competition and in other activities and events organized by CNA**
- Over 150 applications were sent to "Energy of the Future" Competition from 38 cities and towns of Russia, Ukraine and Kazakhstan**
- Leaders and experts from ~40 nuclear and educational institutions took part in various events of CNA**
- In 2004 federal, regional and industrial media published 47 papers and articles of CNA**

Strategic Projects of Children Nuclear Academy

- 1. Small-Scale Nuclear Power Generation and Regions Development in Russia**
- 2. Nuclear Cities**
- 3. Nuclear Consciousness in 21st Century**
- 4. Lessons of Chernobyl**
- 5. Nuclear Fuel Cycle**

Participants of “Energy of the Future” Competition



Conclusion

Rosatom highly values wide-range activities of Children Nuclear Academy that gives nuclear knowledge to the young generation. Rosatom plans to continue active support in this venue providing an important communication link between public and Russian Nuclear Industry.

For more information about Children Nuclear Academy visit the website:

<http://dya.paideia.ru>

or send request to:

dya@paideia.ru