



# Russian Academy of Sciences Program Systems Institute



Scientific and Educational Complex



## The Aylamazyan International Children's Computer Center UNESCO Associated School

The International Children's Computer Center of the Program Systems Institute of the Russian Academy of Science was founded in 1986 by the initiative of academician Evgeny Pavlovich Velikhov and Program Systems Institute director academician Alfred Karlovich Ailamazjan. In 1988 ICCC PSI RAS became UNESCO Associated School. It has been working in the Associated Schools Project since 1995 and the main branch of its work is the usage of new technologies in education.

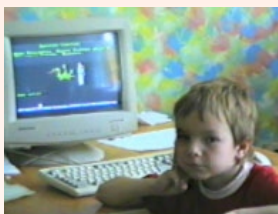
The ICCC of the Institute of Program Systems of the Russian Academy of Science, a UNESCO Associated school, is situated 130km from Moscow, 8 km from the town of Pereslavl-Zalesky in the Kukhmar forest. A pine



forest, fresh air, majestic beauty of the Plescheevo Lake - it is here where children come from all around Russia, Germany, the USA, Belgium, England, and France.

The Center's main aim is the upbringing and teaching of the coming generation in special surroundings, which stimulate self-esteem improvement, respect of peers and adults, and of teachers. The Center also helps development of scientific and moral potential through educational projects and activities, studies, and participation in children's conferences and seminars. We give our children the opportunity to choose the classes they want to attend.

In the period of informatization and computerization of society, the problem of preparing the young generation to be skillful in the field of computer technologies becomes very important. The ICCC solves the problem by involving scientists, specialists, and teachers of the academic institutes of Russia and educational establishments of the world in teaching children.



This process of teaching has a number of peculiarities. One of them is for those children who are really interested in studying sciences using computer knowledge together at the Center and to put them into well equipped computer environment, where the children's intensive

communication with their teachers, computers, and their fellow campers enforces and accelerates the learning process. The educational process the ICCC includes scientific research in the fields of creating and using computer software and scientific programs and methods. Since 1995 the Center has had a year-round correspondence program, as well as permanent educational courses in the following fields:

### Computer Technologies:

- **The Computer ABC's** (the study of main computer components and facilities, skills of working with a keyboard and a mouse, popular and easy operating systems, and graphic and text editors)
- **Personal Web Pages. Web Design for beginners** (creating

web pages using HTML language, CSS and DHTML technologies, web design concepts and main rules of quickview and navigation)

- **Programming languages** (Visual Basic, JavaScript, C, C++, Perl, PHP, Delphi, and others)
- **3D Builder** (3D Studio Max, creating realistic scenes, elements of animation)
- **Publishing House** (fundamentals of page-proofing and design, producing newspapers, advertisements, and brochures using text editors such as Microsoft Word and Adobe Page Maker)
- **Internet** (the history of development and basic principles of computer networks, study of popular network applications such as using e-mail, Internet based communication, and searching for information)
- **Computer Algebra** (Math and Computer, Maple 5.4 skills)
- **Drawing with LOGO** (LOGO programming)
- **Photoshop** (study and working with the most popular graphics editor, Adobe Photoshop)
- **Flash** (Flash techniques for developing web pages)
- **Digital Sound Editing** (study of music editors, creating various styles of music)
- **Computer Games**
- **Apple technologies** (cartoon making, telecommunication conferences organization using G4 platform)



All computers are connected to local network and have a full access to the Internet.

### Natural Sciences:

- **Ecology**
- **Zoology** (a zoo-station where different species of animals, birds, and fish live)

### The humanities:

- **Foreign languages:**
  - English
  - German
  - French
- **History and Culture of nations of the world**
- **Cultural Wealth of the Russian Land**
- **Ethics:**
  - Human rights
  - Child's rights
  - Information Rights

### Creative Arts:

- **Fine Arts Studio**
- **Fashion Studio**
- **Russian Folk handicrafts**
- **Drawings elements**
- **Ceramics**



Each session in our Center culminates in a Summary Children's Conference Presentation where children present reports about their results, the knowledge they got during class work, and demonstrate their projects.



Children take an active part in "Spare Time" activities in addition to educational activities. They visit:

- Excursions to Pereslavl-Zalessky
- Clubs
- Intellectual games and quizzes
- Theater Club, Dance Club

Our children can participate in sports and keep fit by visiting our Sports Club where there are:

- Sports games:
  - Tennis (we have our own tennis court)
  - Ping-pong (there are tables in every building)
  - Football
  - Basketball
  - Volleyball
  - Field Hockey
  - Badminton
  - Gorodki
  - Checkers/chess
- Swimming in Plescheevo Lake
- Boating
- Horse riding (horses and ponies)
- Weight training
- Arm wrestling
- Skiing
- Skating

The Center consists of many departments. The Academic Council of the Center has its own newspaper, Internet site and radio news program produced by children. Children attend educational courses and take part in projects. The projects allow them to see the results of their creative activity. Correspondence students carry on scientific work all the year round, and take part in international educational projects over the Internet.



The educational program of the ICCC takes into consideration the age aspect of children's development. Different ages correspond with different forms of teaching.

Children live in 2-story centrally heated brick buildings, in rooms of 5 people with new furniture. Children have five meals a day. Excursions are offered around The Golden Ring Cities of Russia.

Adult guests the Center are accommodated in comfortable apartments for 1, 2, or 3 people.

## Summer 2005 in ICCC!

### DEAR FRIENDS!

The International Children's Computer Center, UNESCO Associated School, will kindly open its gates for children from Russia and foreign countries during the summer of 2005. Our Center's popularity has increased during recent years - it's believed to be one of the best organizations providing additional education and children's rest. We are happy to invite you for this summer's sessions:

03.06 - 21.06.2005

«WE ARE YOUR CHILDREN - DEAR EARTH»  
Children from 7 to 17 years old.



24.06 - 12.07.2005

«PLANET OF FRIENDS»  
Children from 7 to 17 years old.



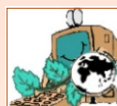
16.07 - 03.08.2005

«THE WORLD WE LIVE IN»  
Children from 7 to 17 years old.



07.08 - 25.08.2005

«ICCC - THE ISLAND OF FRIENDSHIP AND LOVE»  
Children from 7 to 17 years old.



### In every session:

Study of computer graphics and animation, computer cartoon making, publishing of "Fairy-tales collectons" and "Center's Newspaper", studying of flora and fauna of Kukhmar Place. Every participant of the session is a young inhabitant of Kukhmar Place, an the author of a mini-project. Students of the ICCC, regardless of their age, can start studying 3D-Builder in our Center, or join a group of beginners studying programming languages.

We'll work hard to unite children from different countries of the world in our work on the international projects according to their interests. We'll hold festivals, exhibitions, conferences, and competitions dedicated to native cultures. At the Kukhmar Olympic Games, we'll adopt a "Declaration of Friendship." We'll find answers to questions such as: how will we preserve and protect our planet? We'll decide what happens around of us. We'll discuss the relationship between man and nature and try to find ways of solving ecological problems. We'll follow our souls and hearts and try to make our world better. We'll lead telecommunicational projects with colleagues from the USA, Canada, India, Germany, and France. Every session is finished by the Children's science-practical conference, where all students make reports of what they've learned and present their digital and printed projects.

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