

Kids' ISO 14000 Programme



Owned and Operated by: ArTech (International Art & Technology Cooperation Organization)

Supported by: United Nations University (UNU)/United Nations Environment Programme (UNEP)/International Organization for Standardization (ISO)/ Japanese Ministry of Education, Culture, Sports, Science and Technology (MEXT)/The Japanese National Commission for UNESCO/Japanese Ministry of the Environment/Saitama Prefecture Government/Japan Electric Association

Sponsored by: Aioi Insurance Co., Ltd./Agilent Technologies Japan, Ltd./CASIO COMPUTER CO., LTD/Casio Inc./The Federation of Electric Power Companies of Japan/Fuji Xerox Co. Ltd./GAKKEN CO., LTD./The Japan Foundation/MAEDA ROAD CONSTRUCTION Co., Ltd./Nippon Cultural Broadcasting Inc./Nomura Holdings, Inc./Quality Assurance Institute Inc./SEIKO EPSON CORPORATION/Sony Corporation /TAIYO LIFE INSURANCE COMPANY/The Tokyo Electric Power Company, Incorporated (TEPCO)/Toyota USA Foundation

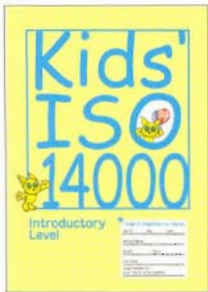
Co-Operated with: Hokkaido Government/Tokyo Metropolitan Government/Mie Prefecture

The "Kids ISO 14000 Programme" is an environmental education programme for children. Their environmental awareness will be stimulated, and then, they will learn how they tackle the environmental issues in their home and regions by use of PDCA cycle (Plan-Do-Check-Act), and finally they form networks to work together on the environmental issues with children in other areas. Specially trained Eco-Kids Instructors evaluate children's works, and all the children receive evaluation sheets and the children who met the requirements of the programme receive international certificates. This is one of the models for "Think globally, act locally". Children of about 10 years old start from Introductory Level, and go through Primary Level, Middle Level and finally Highest Level of the Programme.



How to work with The Introductory Level

Children will receive guidance by Video (DVD) and work with the Workbook on their environmental issues in a household with their family members for 2 weeks.



1 Each child will receive a workbook in the class, and bring back to their home.

2 Children measure and check the daily consumption of electricity, gas, water and production of garbage for one week and record the number on the workbook.



3 Children discuss with the family members what to do to save energy, etc and each child setup their environmental policy in their home.



4 Children take data again in the 2nd week and record the set of data by saving energy under their own policy.



5 Children compare the second set of data to the first set and write about what they think in the workbook.



6 Children submit the workbooks to the school, and the school sends them back to ArTech for evaluation.

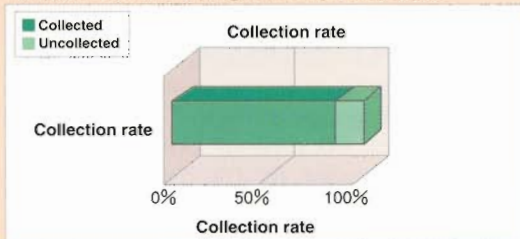


7 ArTech will send evaluation sheets for the data and environmental management ability to each child through the school.

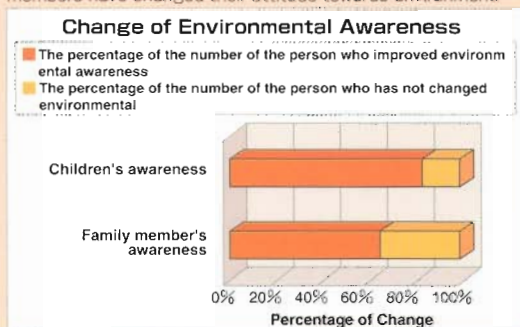


Results on changes of the Environmental Awareness of Children and family members

85 % of the workbooks done by the children on the introductory level of the Kids'ISO14000 Programme have been submitted by the children. This means good accomplishment of the programme by the children.



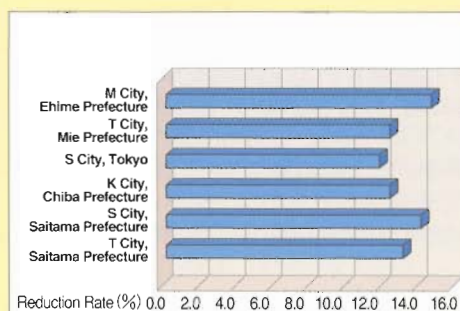
80% of children who submitted the workbook increased their environmental awareness and more than 60% of the family members have changed their attitude towards environment.



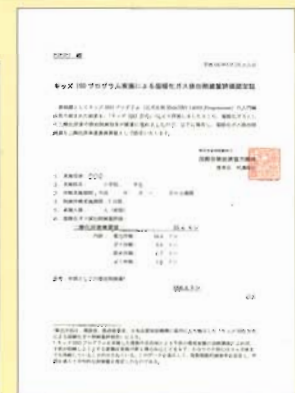
The amount of CO₂ emission has been reduced in the home where children worked on the introductory level programme.

Analyzed data showed 10-15% of reduction of CO₂ emission from household, which amount to reduction of more than 40,000 tons of CO₂ by 2005 through this programme. ArTech issues certificates of reduction to each organization that implements this programme.

<http://www.artech.or.jp/english/kids/envedu/CDM/cdm.html>



<Reduction Rate of CO₂ Emission>



<Certificate of Reduction of Emission of Greenhouse Gas>

●The International Certificate for the Primary, Middle and Highest Level

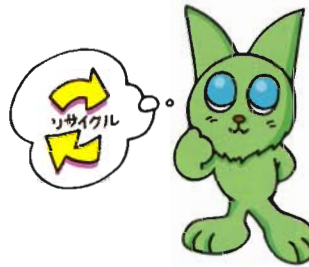
As recognition of children's ability on environmental management, International Committee of ArTech issues the International Certificate to children who have accomplished requirements of the programme. The Certificate is supported by United Nations University (UNU), United Nations Environment Programme (UNEP) and International Organization for Standardization (ISO).



<International Certificate of the Primary Level>

●The Primary Level

Children work on the environment issues of household. First they write down what they think about the environment on the workbook. They fill out the check lists of the current life style in regard to the environmental aspects at home. Then, they make action plans to improve the situation. By following to the plan, they will work hard to save energy and record data of energy consumption for 2 months. They compare the data to the one in the previous week and set a target amount for next week, by PDCA cycle. These consecutive works will raise children's capability on environmental management.



<The Third International Certificate Awarding Ceremony at United Nations University>



●The Middle Level

Now, children who mastered the methodology of PDCA cycle will form groups and start to work on the environmental issues at school or in their local areas. Children pick-up a theme based on their interests, and they make their own project. Children cooperate and work together with adults in analyzing the current status and record the data. They set a target of the project and share the roles with the group members. They will carry on the project for about a year and report the results.

●The Highest Level

Groups of children work on local environmental issues by cooperating with other groups in other area or in foreign countries. They will communicate and exchange ideas, or even compare their data each other. This project can continue for 2 years.



●Expansion of the programme to many countries

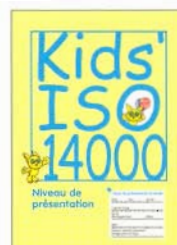


<Implementation in Australia>

The workbooks in different languages share the same format but adopt respective cultural lifestyle depending on the countries.



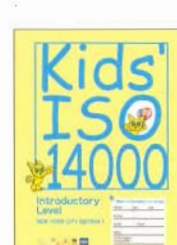
<Japanese>



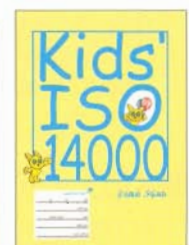
<French>



<Spanish>



<New York City Edition>



<Arabic>

Kids' ISO Net (International Network)

Kids' ISO 14000 International Network

Formation of local and international network is one of the most essential parts of the programme. Especially in the highest level, it is necessary to exchange and compare the idea and data with children in other countries. Many international organizations such as UNU, UNEP, UNESCO, and ISO support the programme to expand the programme internationally.

Kids' ISO International Meetings on the Environment

International meetings on Kids' ISO 14000 by children are planned to be held in near future through Universal Networking Language (UNL) developed by United Nations University. The system allows children in different countries to discuss through computers as it translates one language into others simultaneously.



Activities at School

● Teacher's Guidebook and Video (DVD)

The Teacher's guidebook gives the effective way to implement the programme. It includes responses from children and their family who worked on the programme together. A sample letter to children's family, and frequently asked questions are also included. The guidebook was edited in cooperation with teachers at elementary and junior high schools, that implemented this programme.

● Kids' ISO 14000 for School

This is the package of the programme for children and teachers to practice PDCA (Plan-Do-Check-Act) cycle in the school on environmental issues. Children will be a leader and teachers support them as an advisor. They work on the programme to improve environmental aspects of their school or regional issues near their school. The result will be evaluated and certificates are issued by ArTech. This activity aims to foster children's self-sustainability and increase environmental awareness both for children and teachers.

Eco-Kids Instructor

There are 3 instructor levels in Eco-Kids Instructor System.

Level 1 instructor gives advice to children for the programme and make evaluation of the workbooks done by the children.

Level 2 instructor manages the implementation of the programme in the local area.

Level 3 instructor works as a counselor and supervises in details.

<http://www.artech.or.jp/english/kids/envedu/EKI/instructor/instructor.html>

● International Seminar and Training Courses for Eco-Kids Instructor

ArTech regularly holds international seminars and training courses for instructors. For example, in every November, by co-organization with UNESCO, ArTech-UNU holds International Training Course at UNESCO, Paris, France. For detailed information, see ArTech Website.

● ISO Brochure on Kids' ISO 14000

International Organization for Standardization (ISO) in Geneva made a brochure about Kids' ISO 14000 Programme and has distributed it to 150 countries.

● Kids' ISO 14000 Website

ArTech shows every detailed activity on Kids' ISO 14000 Programme in many countries at the URL,

<http://www.artech.or.jp/english/kids/envedu/index.html>

● Eco-Kids Plaza

This Website is for children to communicate each other worldwide. You can visit the Plaza from the Kids' ISO 14000 Website.

http://www.artech.or.jp/english/kids/envedu/kids_top_en.html

● Kids' ISO 14000 NET

ArTech has built mailing lists to distribute information on implementation of Kids' ISO 14000 Programme.



<Training course by use of computer room>



<International Training course at UNESCO, Paris, France>



<Brochure from ISO>



<First International Workshop in Korea>

Contact

Kids' ISO 14000 Programme

ArTech:

International Art & Technology Cooperation Organization

<http://www.artech.or.jp/english/kids/envedu/index.html>

Address: Tomigaya 1-39-2, Suite 104 Shibuya-ku,
Tokyo, 151-0063 Japan

Tel: +81-3-3467-6250, Fax: +81-3-3467-6277

E-mail: info@artech.or.jp