

APPENDIX 5A

Kids ISO 14000s Program

Increase of Children's Environmental Awareness And Reduction of Emission of Carbon Dioxide¹

(Executive Summary)

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1. Kids ISO 14000s

"Kids ISO 14000s" is a new environmental education program for children, based on ISO 14000s, which is international standard for environmental management. Primary aims of this program are: -

1. To teach and train children how to manage the environmental issues (such as energy saving) by themselves through the working book and guide book of this program,
2. To certify those children who showed good accomplishment in the program from highly international authority (as is the case of ISO 14000s)
3. To network those children through the international network (Kids International Network), so that the children can work on the environment, internationally.

2. System of Kids ISO 14000s Program

The system of Kids ISO 14000s Program consists of

1. Operation Headquarter (ArTech).
2. Workbook, Guidebook (originally published by ArTech, and local versions are produced by each countries).
3. Eco-Kids-Instructors for local operation and evaluation of the performance of the children.
4. International accreditation committee for accreditation of accomplishment of the children, for certification of the Eco-Kids-Instructors, as well as overall checks of this program.
5. Linkage with international organizations (such as UNU, UNESCO, etc. ...) And also national organizations (such as Ministry of Environment, Ministry of

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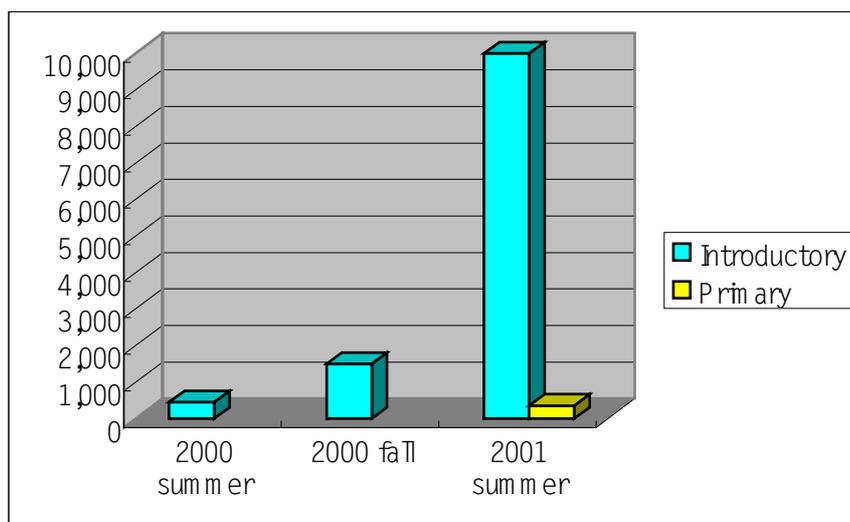
Education, etc., Provincial Governments).

3. History and Flow of Operation of Kids ISO 14000s Program:

The Kids ISO 14000s program started in the summer of 2000. The first test run was operated in summer of 2000 in Tokyo. The results showed that Kids ISO 14000s program has great educational potential, including effectiveness to increase environmental awareness of the children. Furthermore, through the program the children could reduce emission of carbon dioxide in consumption of the energy in their home **by more than 10%**.

Introductory course of Kids ISO 14000s program of 2 weeks work is established in December of 2000, more than 1500 children challenged. This operation showed great effectiveness. This program started to get support from the Energy Conservation Center under METI, and many industries, including Sony, TEPCO, Fuji-Xerox. The Ministry of Environment of Japanese Government also showed strong interest in this program.

In the summer of 2001, more than 10,000 children joined this program. Kids ISO 14000s program became the official program in some of the cities, including Sugunami-ku and Meguro-ku in Tokyo, Tokorozawa in Saitama prefecture, Matsuyama in Ehime prefecture, as well as Shiga prefecture.



The Kids ISO 14000s program has been shown in TV, newspapers and many mass media throughout Japan. The one of the **websites of the Ministry of Foreign Affairs** of Japan reported the Kids ISO 14000s program in September of 2001 for international PA⁴.

For the next fiscal year, many other cities in other prefecture are starting to make contract with ArTech. The Ministry of Education will start a new educational category, called "integrated study, or non-disciplinary study" in Japanese school system. Kids ISO 14000s will be one of the good educational tools on this line.

⁴ The website for public acceptance of the Ministry of Foreign Affairs is called Japan Information Network (JIN). Kids ISO Program was shown at, <http://jin.jcic.or.jp/kidsweb/news/01-09/iso14000.html>

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The Primary level of Kids ISO 14000s program was published in June 2001. This is 8 weeks work for the children in the home. The first certification of the Primary level will be issued on January 2002 at UNU HQ from the rector of UNU. About 50 children will receive the first one. At the same time, the second level of Kids ISO 14000s program will be announced, which is environmental work for one year on the regional issues. The children who have the first level certification form groups and they submit the one year project.

The Highest level of Kids ISO 14000s program is the work as country level or international level. The children works for 2 years through Network by use of IT. One of the main objectives is to form an international children's network. This will lead to the growth of the concept of international togetherness from the childhood.

International Expansion: 3 Governors of the provinces of Thailand showed their interest in Kids ISO 14000s program. They started to translate the introductory workbook into Thai version. In early 2002, the test version will be operated in pilot schools in each province. After the feedback from the test run result, the official Thai version will be established for provincial and national operation. UNESCO Asia & Pacific Office in Bangkok decided to support the Thai operation, technically.

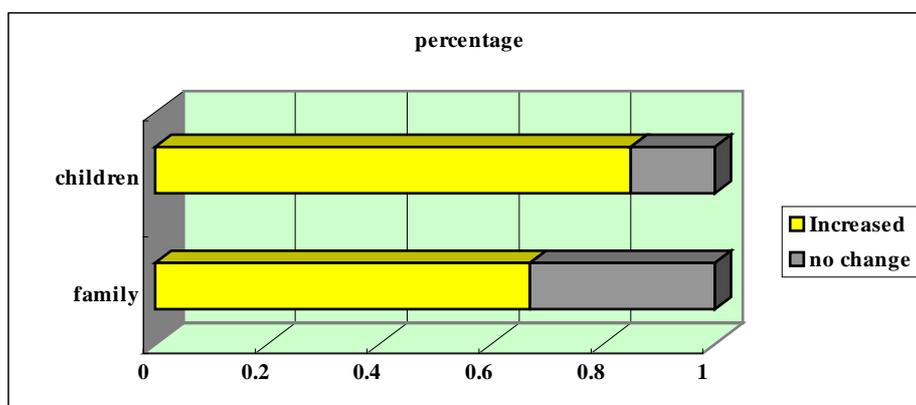
A non-profit organization (DIETCO) in Indonesia is interested in this program, and they are preparing for the operation, starting from budget request. Requests from Australia, Brazil, and China have been received, and exchanges have started.

4. Results on Accomplishment Rate

The workbook has been distributed to the students of 5th grade of the elementary school. The rate of accomplishment is more than 80 % in highly educated school, and 60-70% in average school. This indicates that the workbook is well prepared, and organized.

5. Change of Awareness of the children and their family

Kids ISO 14000s program gives leadership of the environmental management in the home in the introductory level to the children. This changes the awareness of the children on the environment by 80% or more. Then, this will lead to the change of the awareness of their family members. At least, 60% of the family member changed their awareness.



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As a side effect, this program enhanced communication among the family members, which leads to reduction of the children's crime.

6. Reduction of Emission of Global Warming Gases by this program

The results from many cities in Japan including Suginami-ku, the Tokorozawa City, the emission of carbon dioxide from the home which carried out Kids ISO 14000s program reduced by 10-14%, by comparing the data of the before and after the operation by Kids ISO 14000s Introductory Course. In Japan, 13% to total emission of carbon dioxide is from the home. If Kids ISO 14000s program is operated throughout Japan, substantial amount of emission will be reduced.

This indicates the effectiveness of this Kids ISO 14000s program for reduction of emission of carbon dioxide, which has been discussed seriously by series of COP meeting under UN.