“You are Galileo!” Project

http://kimigali.jp/index-e.html

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“You are Galileo!“ Project

Contents:

- Background
- Workshops
- Telescope Kit
- Worksheets
- Beyond IYA2009
• Background

“You are Galileo!” project was, originally, organized for a part of the IYA2009 Japan Committee program.

“You are Galileo!” is a class-on-delivery workshop for children who build a telescope and observe with it.
For the IYA2009 program:

10,000 telescope kits were distributed in Japan. 167 groups had workshops including 30 workshops for leaders/teachers.

3,000 kits were distributed to 41 countries. Workshops for leaders/teachers were given in Mongolia, Uzbekistan, Brazil, Peru, Egypt, etc.
Workshop

A typical workshop consists of:

- Introductions of astronomy related topics
- Telescope assembly
- Observations of celestial objects with the telescope(s)
- A question and answer session with discussions

Worksheets are used as the observation and study guide. Also, instruction guides for teachers are provided.
Astronomy lectures
Make your own telescope
Look through the telescope
Telescope Kit

We use two types of easy to assemble small, telescope kits commercially available to us. We call them “You are Galileo! Telescope”

Kol-Kit “Spica” from Orbys Inc.

4cm telescope kit from Hoshi-no-Techou Inc.
You are Galileo! Telescope

4cm telescope kit from Hoshi-no-Techou Inc.

Aperture 40mm
Focal length 273mm
Lense type Optical glass (Achromat)
Eye Piece: Composed of 3 plastic lenses. f=18.2mm.
Magnification: 15-power (new 35-power kits are ready at a higher price)
Field of View: 2.2 degrees
You are Galileo! Telescope

Kol-Kit “Spica” from Orbys Inc.

Aperture  40mm
Focal length  420mm
Lens type  Optical glass
Eye Piece: Doublet+1 plastic 3 elements f=12mm
Magnification: 35-power.
Field of View: 1.4 degrees.
Worksheets

Worksheet for each stellar object, tailored to the level of children group, is provided for an observation practice.

- Moon
- Venus
- Jupiter
- Saturn
- Milky Way
- Andromeda Nebula (M31)
- Andromeda Nebula (M31) and Pleiades (M45)
- Orion Nebula (M42)
- Pleiades (M45)
- Double Star
- Globular Cluster
Observation sketch and reports by children.

After we took the Jupiter and drew something about the planet's movement. And then we also drew the moon and its path. But one day it was not visible. So I was so wondred about that. So after we were very interested by it. And we also asked about it. Then it is not disappear just so handy from Jupiter so she can't see. And through I know about Jupiter. And the other star name is 11H Venus. A Greek name. It means Venus moon. It comes from Jupiter's godmother. So I think that she thought of astronomy a little bit harmful otherwise I start to interested about star-gazing.
Beyond IYA2009

The Japanese National Commission for UNESCO supported us.
(Asia-Pacific Education support program)

FY2010 JP¥5,000,000 (~US$63,000) for WS in Indonesia

FY2011 JP¥5,000,000 (~US$63,000) for WS in Mongolia
“You are Galileo!” Project

-A Mission to Indonesia

-February - March 2011-
Five workshops for school teachers were held at

Jakarta,
Yogyakarta,
Mataram,
Tomohon and
Palembang.

Total of 230 teachers were attended
LOKAKARYA
You are Galileo! Telescope
Bagi Guru - Guru SMA se - Kota Mataram

Organised by: National Astronomical Observatory Of Japan (NAOJ), Prodi TM, FMIPA UNRAM, Prodi FMIPA UNRAM,
Mataram, 27 Februari 2011
Japanese Staff:  
Hidehiko Agata  
Fumi Yoshida  
Akira Hirai  
Kyoko Muroi  
Naomi Ishikawa  
Hiroyuki Takata  
Hiroko Komiyama  
Akira Kawamura

Indonesian Staff:  
Hakim L. Malasan (Bosscha)  
Dinar Adjis Malasan (Bosscha)  
Evan I. Akbar (Bosscha)  
Deva Octavian (Bosscha)  
Widya Sawitar (Jakarta Planetarium)  
Indra Firdaus (SMAN 38)  
Endang Soegiartini (ITB)  
Avivah Yamani (Langit Selatan)

We thank all people in Indonesia and in Japan who helped us made this program successful.
“You are Galileo!” Project
-A Mission to Mongolia-
May – July 2011
Five workshops for children and school teachers were held at

Ulaanbaatar
Khovd
Miyangado
Mandalgobi
Dalanzadgad

A total of 400 telescopes were distributed.
Mongolian Staff:
Tsolmon Renchin
Aruinzul Yangiv
Nasurt Tugjsuren
Zaya Mart
Uudus Divaakhuu
Buyannemekh Boris

Japanese Staff:
Hidehiko Agata
Fumi Yoshid
Hiroko Komiyama
Hiroyuki Takata
Akira Hirai
Masaharu Ishizaki
Kaz Sekiguchi

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Fumi Yoshid
Hiroko Komiyama
Hiroyuki Takata
Akira Hirai
Masaharu Ishizaki
Kaz Sekiguchi
The 5th Annual International Workshop on Applications of Remote Sensing and Space Science in Mongolia

“You Are Galileo” Project Workshop

6-7 June, 2011
Ulaanbaatar, Mongolia
After wrap the Step 1 product with enough amount of tape, please fix the Step 1 product to the tube ③ with glue.
To be continued!

For more details, see at http://kimigali.jp/index-e.html