

ポスター発表

**小さい子供が楽しめる授業例**  
**Kids-Friendly Presentations in Astronomy**

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**Abstract**

Young children and scientists look alike each other, because both of them are interested in nature and ask “Why?” and “How?”. Before children can understand what is science and what is science inquiry, they are already ready to learn about nature, and it is important to engage young children to science. In the poster session, I introduced three “stories” and presentations that I usually talk to young children at preschools and elementary schools in Hilo, Hawaii. All my stories and presentations are originally from picture books and a TV show in the United States.

**1. “Brown Soil, Brown Soil, What Do You See?” (For Age 3-5)**

*(Originally from “Brown Bear, Brown Bear, What Do You See?” by Eric Carle)*

Preschoolers explore the world from a ground on Earth to space. Beginning with Brown Soil on a ground, we go higher and higher.

**2. “How Far is the Moon?” (For Age 3-5)**

*(Originally from “Papa, Please Get The Moon For Me” by Eric Carle)*

Before a girl went to bed, she looked out of her window and saw the Moon. The Moon looked so near. She asked her Dad to get the Moon. Dad carried a very long ladder, and climbed up to a very high mountain, Mauna Kea. He climbed up and up the ladder to get the Moon, but he couldn't. At that time an astronomer came out from the dome of a telescope, and explained how far the Moon is.

### 3. “The Planet Song” (For Grade 2 and up)

(“The Planet Song” is from the TV program “Blue’s Clues” on Nick Jr.)

In my presentation, I show the video of “The Planet Song”, and then explain the meanings of lyrics. Children enjoy the song, and are easy to learn the character of each planet.

Please visit:

<http://www.naoj.org/staff/kumiko/Outreach/Abstract/abs.html>

for details.

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日本語での紹介は、「天文教育」に掲載済みです。詳しくは、  
天文教育 2007 年 1 月号 (84 号 Vol. 19 No. 1) 45 ページ  
「小さい子供が楽しめる宇宙の話」

をご覧ください。

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紙面が余りましたので、このポスター発表とは直接関係ありませんが、研究会中にお話した参考文献・サイトをこの場を借りてご紹介いたします。

### 1. The Universe at Your Fingertips (学校での天文学授業・実践例)

<http://www.astrosociety.org/>

([トップ](#) > [AstroShop](#) > [ASP Educational Products](#))

Astronomical Society of Pacific (ASP) のプロジェクト ProjectAstro での実践例をまとめたもの。各項目の最初に、実践するのに適当な学年が記されている。

### 2. ハワイ・ホノルル、Bishop Museum プラネタリウムで使用されている、 ハワイの「今月の星空」マップ

<http://www.bishopmuseum.org/planetarium/planetarium.html>

([トップ](#) > "[Hawai`i Sky Tonight Maps \(pdf\)](#)")

「星空案内人」で私が使用したもの。星座早見盤の使い方を知らない人でも使える。代表的なハワイの星名も記載されている。