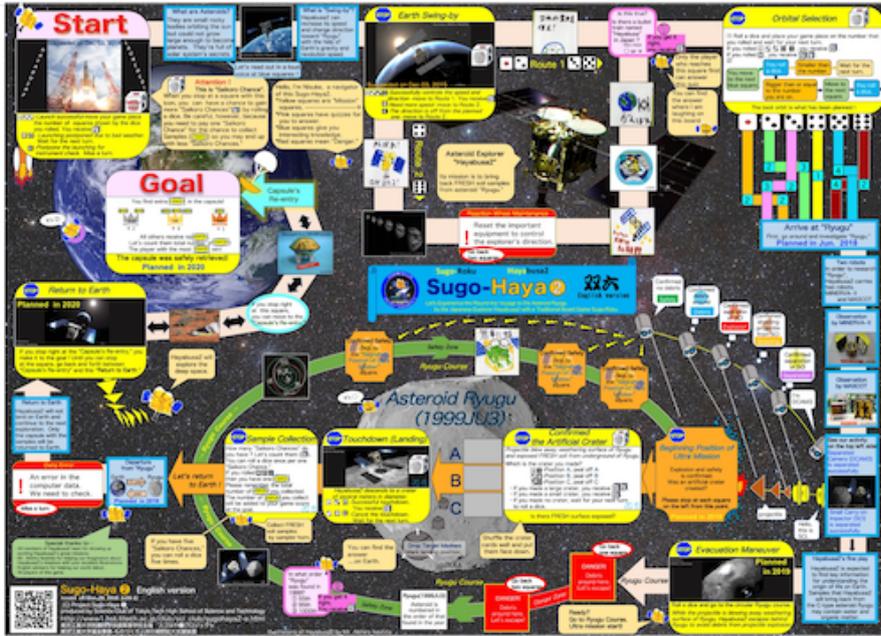


Sugo-Haya ② News Letter

Sugo-Roku Hayabusa2

No.4 in English



Sugo-Haya ②

Let's Experience the Round-trip Voyage to the Asteroid Ryugu by the Japanese Explorer Hayabusa2 with a Traditional Board Game 双六 Sugo-Roku.

Japanese asteroid explorer Hayabusa2 was launched off on December 3, 2014 and traveling to "Ryugu" and will return to Earth in 2020. During its six year mission, Hayabusa2 aims to complete technically challenging missions and to bring fresh soil samples from Ryugu back to Earth.

1

SUGO-ROKU !

Traditional Japanese board game for all ages.

2

SUGO-ROKU !

Routes from the start to the goal with squares in between.

3

SUGO-ROKU !

Roll a dice taking turns, and move the number of squares shown by the dice toward the goal.



Hello from Project Sugo-Haya2

We aim, through the game of Sugo-Haya2, to give a chronological bird's eye view of the voyage, to learn about the interesting mission, and to experience the challenges of Hayabusa2.



CAP2018

Mar.24-28,2018 in Fukuoka, Japan

Poster Session I (Mar. 24-26) of "Communicating Astronomy with the Public 2018"

English version is launched!

Let's experience the challenging missions.

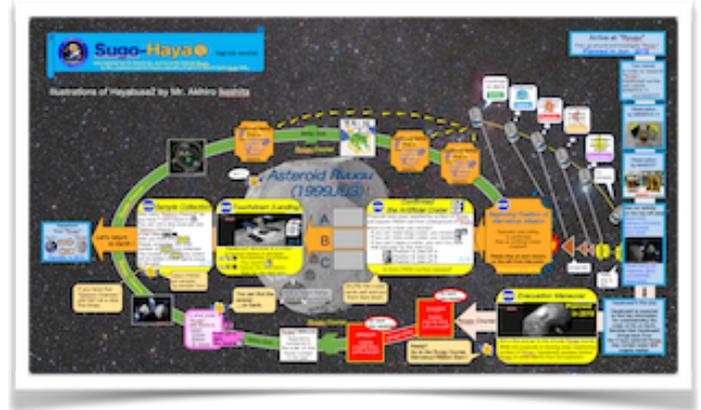
"Sugo-Haya2" is a Sugo-Roku game simulating Hayabusa2's round-trip voyage to the asteroid Ryugu. The routes on the "Sugo-Haya2" game board from the start to the goal simulate the process of the voyage and explains its mission well.

In June 2018, Hayabusa2 will arrive at Ryugu and start Great missions. Its predecessor Hayabusa brought soil samples back from the S-type asteroid Itokawa. The samples revealed the origin of the meteoroid entering to Earth. This time, the FRESH soil of C-type asteroid brought back by Hayabusa2 is expected to contain organic matter and water. There is a high possibility that the samples of Hayabusa2 may reveal the origin of sea water and life on Earth.

Introducing missions of Sugo-Haya2

To collect FRESH soil samples, Hayabusa2 will perform technically challenging missions. You can learn details of its missions and experience their difficulties in **Ryugu Course** on the game board.

After separation of Impactor and Camera, while Impactor is creating an artificial crater, you as Hayabusa2 enters Ryugu



Course from **Evacuation Maneuver** square to hide behind the Ryugu to avoid collision with debris caused by an explosion of the Impactor. If you stop on Danger Zone, go back to **Evacuation Maneuver** square. When you stop at the **Confirmed Safety** square with camera separated from Hayabusa2, you skip to **Beginning Position of Great Mission** square. You also choose the size of a crater, large, small or no crater (!) by the number shown on the dice you rolled. If you could choose a large crater, you can get additional chance to collect samples. At **Touchdown** square, your success is decided by dice. The mission's difficulty is reflected on that Hayabusa2 has to descend to a crater which is just a several meters in diameter and to collect Fresh soil inside Ryugu.

The goal of Hayabusa2 is not only to come back to Earth, but also to bring lots of valuable samples back. Finally, the winners of Sugo-Haya2 are determined by the total numbers of samples brought back at the goal.

SUGO-HAYA ② - SUGOROKU-HAYABUSA2 -

Details and Download of Sugo-Haya2 game board...

http://www1.hst.titech.ac.jp/club/sci_club/sugohaya2-e.html



Project SUGO-HAYA ②

produced by Science Club of

Tokyo Tech High School of Science and Technology

東京工業大学附属科学技術高等学校 科学部主催
東京工業大学基金事業—ものづくり人材の裾野拡大支援後援



Message to Our project



http://www1.hst.titech.ac.jp/club/sci_club/message-to-sugohaya2.html