



Fifth Exhibit Room Space –Expanding–

The grand scale of the universe is shown focused around large exhibits.

〈Guide to Permanent Exhibits〉

A View from Space



On this big screen, you can see live footage of the view from space from the International Space Station.

The Chronology of Astronomy



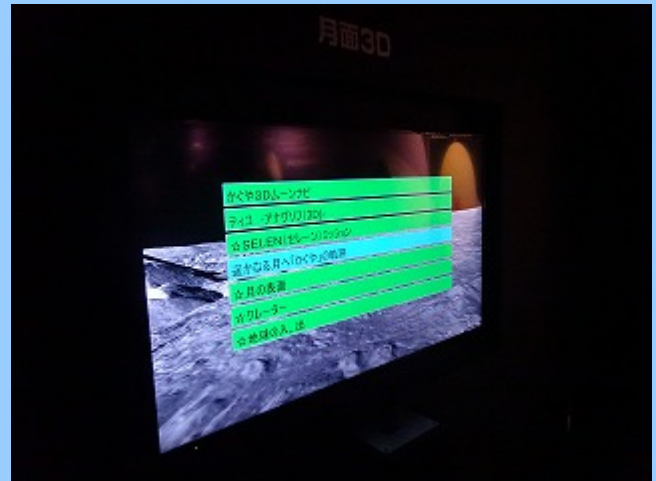
Astronomy began as a study as far back as BCE.

The Waxing and Waning of the Moon



Discover why the shape of the moon changes.

3D Surface of the Moon



The videos are between 1-30 minutes long. These are videos taken from the Kaguya (SELENE) lunar orbiter mission.

Sun Lamp



You may be able to see live solar prominences and sunspots.

The Solar System



Compare planets in the solar system.

Jumping on Planets



Select a planet and try jumping. You can experience the difference in gravity with the height of your jumps.

Weight Experiment



Did you know weight is different on each planet? Test it here.

Space Simulator



Operate these highly detailed computer graphics to explore the solar system.

Holographic Planets



Try pushing the button. Which planet from the solar system will appear?

Meteorite



These are pieces of meteorites that fell
nu in America, Mexico and Gifu.
Feel the power of space.

Escape from a Black Hole



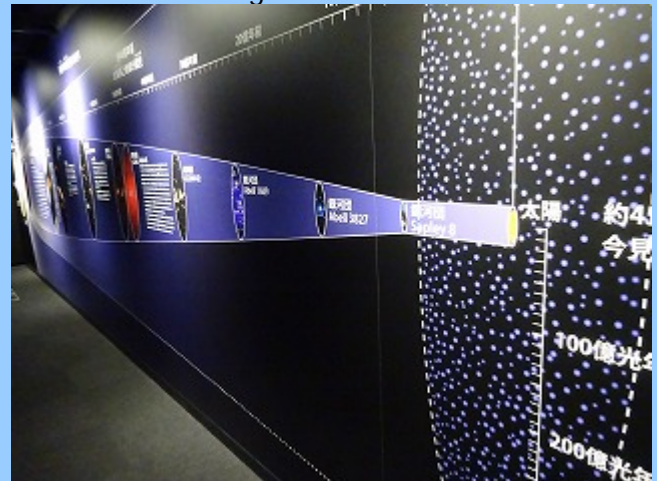
Watch the ball's movements carefully as it
falls into the black hole.

Space Eye



Go on an exciting journey from Earth to the end of
the galaxy in this 5 meter diameter round screen.
Let's Find Constellations (The Scorpion)

The Age of the Universe



See what happened from the birth of the
universe over 18 billion years ago until now.

Let's Find Constellations (The Scorpion)



A constellation is made up of a cluster of
stars with varying distances from Earth.

Let's Find Constellations (Orion)



Which star in the constellation do you
think is the farthest from Earth?

Let's Look Through a Telescope



Try looking through the vixen A8CMF.

How a Telescope Works



You can see a replica of the telescope Galileo (1564-1642) used, and the types and characteristics of other telescopes.

Aim to be an Astronomy Master



Aim to be an astronomy master by answering the Q&A quizzes for beginner, intermediate, and advanced levels.

Children's Space Encyclopedia



Learn about the universe with friends from Ratland using the encyclopedia and quizzes.