

# Information

**Hall Hours** 9:30am - 5:00pm for the exhibition hall.  
(Last admission is at 4:30pm. Last Planetarium program is at 4:00pm.)

**Closed** Mondays, and the year-end and New Year holidays.  
If Monday is a National Holiday, the museum might be closed on the next day.

	Exhibition Hall (valid for the day)	Planetarium Hall (per program)
Adults	400yen(320yen)	600yen(480yen)
University, college and high school students	300yen(240yen)	450yen(360yen)
Elementary and junior high school students	Free	300yen(240yen) <small>3 year olds to junior high school students</small>

\*Inside the ( ) is a reduced rate for groups of 30 people or more.

**Museum Shop** 10:30am - 5:00pm

**Cafe** 9:30am - 4:30pm(Seats 60, last call 4:00pm)

- Accessibility**
- There are the baby keeping in the Ladies' rooms(B1F, 2F, 3F).
  - There is the baby keeping in the Gentlemen room(2F).
  - We can provide wheelchairs and strollers.
  - All floors are accessible by elevator for wheelchairs and strollers.
  - A nursing room and a first aid room are also available.

# Access

## by Train

- Approx. 500m walk in the west from exit 3 of "Higobashi Station" on the Osaka Subway Yotsubashi Line.
- Approx. 400m walk in the southwest from exit 2 of "Watanabebashi Station" on the Keihan Nakanoshima Line.
- Approx. 900m walk south from "Fukushima Station" on the Hanshin Main Line, the JR Osaka Loop Line, and "Shin Fukushima Station" on the JR Tozai Line.

## by Bus

Very close to the "Taminobashi" bus stop on the No.53 city bus line.

**Address**  
2-1,4cho-me,Nakanoshima  
Kita-ku,Osaka-city 530-0005

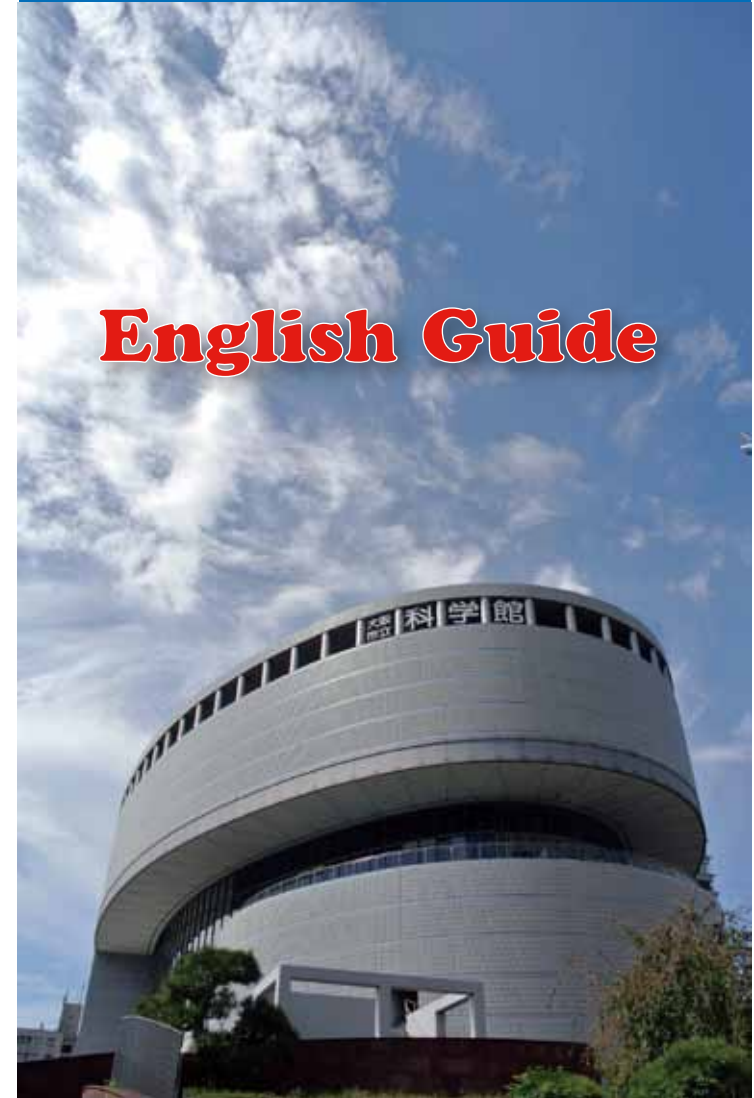
**Telephone**  
06-6444-5656

**Homepage**  
<http://www.sci-museum.jp/>



# Osaka Science Museum 大阪市立科学館

## English Guide



# The museum attracts people of all ages

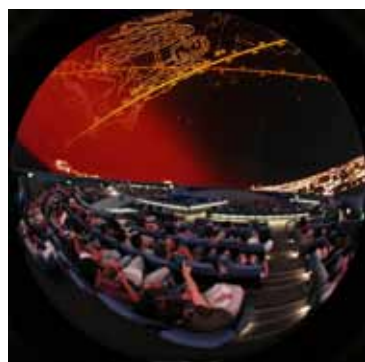
## Planetarium

The huge planetarium with a diameter of 26.5m, displaying a realistic starry sky and surprising cosmic spectacle invites you to the wonder of the universe.

Each show is approx. 45 minutes.

Capacity 300(Unreserved seat / Ticket valid for one program only)

- It is not possible to enter when the tickets are sold out.
- Tickets cannot be canceled or changed.
- The door is closed during the show.
- Please switch off all cell-phones, cameras and camcorders during the show.



## Science Show

Professional staff perform a science experiment in front of the audience. The theme of the experiment changes every 3 months.

※Running time : Approx. 30 minutes.

The location : The Science Show Corner / 3rd floor in the exhibition hall.

	10:00	11:00	13:00	14:00	15:00
Tuesday - Friday	B	B	B	A	—
Saturday, Sunday, National Holiday & School Vacation	—	A	A	A	A

\*A : Approx. 100 visitors on a first come, first served basis.

B : Group reservation only (preorder only).



## Exhibition Hall

Experience the wonder of science with all your senses at our exhibitions.

### 4th Floor **The Universe and Discovery**

There are many experimental devices which investigate a scientific fundamental law. Explore the history of science in these exhibitions.



### 3rd Floor **Familiar Chemistry**

It introduces chemistries of various materials that support our life, such as metal, jewels, plastic, and medicine.



### 2nd Floor **Enjoy Science!**

This floor is intended for infants and their guardians. Please enjoy touching the world of science.



### 1st Floor **Electricity and Energy**

Explore exhibits displaying power generators, power transmitters, and old-fashioned home electric appliances. You can even generate your own electricity.

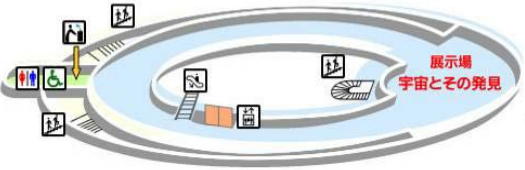






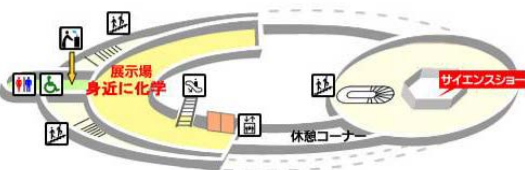




# Welcome to OSAKA SCIENCE MUSEUM !

## EXHIBITS GUIDE


So many wonders in the world. So many discoveries to be made in our Museum. A world of questions & discoveries!

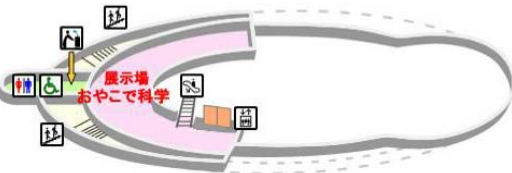
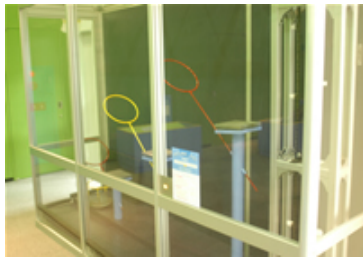
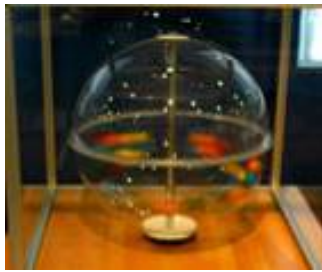


We recommend you those exhibits in our more than 200 exhibits.






Floor	Theme	Exhibit and Guide						
4th Floor	The Universe	The Size of Planets	Spark Chamber	Astronomy in the Edo Era	Hand Battery			
		<p>The size of the Sun and the eight planets are reduced to a scale of 1:500m. The diameter of the Sun and the Earth become 280cm and 2.6cm, respectively.</p>		<p>You can see cosmic rays using this device. When cosmic rays pass through, electric discharges occur in the spark chamber.</p>		<p>Osaka was a research center for astronomy in Japan during the 18th century. Astronomers in the Edo era imported western astronomy, and improved their mathematical understanding of astronomy.</p>		<p>You can become a part of battery! Please touch an Aluminum plate and a Copper plate with both hands. If you shake hands with your friend, what's will happen ? Let's try!</p>


3rd Floor	Familiar Chemistry	Rock Crystals	Synthetic Plastics	Functional Fiber	The Fragrance cafe			
		<p>The crystal is very famous rock crystal. You can see big and beautiful crystals here. Let's search a common shape of those crystals.</p>		<p>In 1907, the first synthetic plastic named "BAKELITE" was invented. It could be produced chemicals without natural material. Our life with synthetic plastics has only 100-years history.</p>		<p>Spacesuit is composed many functional fiber to save a life of astronaut, And here, we show you the heat protective fibers, the non-burnable fibers, and so on.</p>		<p>Let's smell those bottles. What food do you image? Those are made from various synthetic flavoring agents, all chemicals.</p>

3rd Floor	Science show	<p>Science instructors show you various experiments here. Themes are changed every three months.            [SHOW TIME] 30 minutes each            Saturday Sunday National Holiday &amp; School Vacation/            ①11:00 ②13:00 ③14:00 ④15:00            Tuesday-Friday/①14:00            [NARATION] : JAPANESE ONLY            /There is no translation machine.</p>
		

COLUMN	Our History	<p>Osaka Municipal Electric-Science Museum was founded in 1937. It was the forerunner of Osaka Science Museum, and the first science museum with exhibits and housed the first planetarium in Japan. (←picture)            In 1989, Osaka Science Museum was opened at Nakanoshima, where located The Faculty of Science of the University of Osaka. Dr. Hideki Yukawa studied the force of atomic nuclei named Meson, and he awarded Nobel Prize for physics in 1949,</p>
		

Floor	Theme	Exhibit and Guide			
2nd Floor	Enjoy Science	Hop, Step & Jump !	Rotating Capsule	How Many Are You ?	Bernoulli Ball
					
	There is not a rail, but balls always jump in the almost same path. However, some slight difference like a vibration, the first speed, etc... change the results.	Let's turn the capsule round and round! Where will balls go up highly to? Balls form a line in the place where gravitation balances with centrifugal force. It's same as the solar system moving.	Let's stand up in front of mirrors. How many figure of yourself can you see? Let's count! The number of figures changes by degrees.	Let's put the ball on the wind! Is the ball swept by wind? ...No! The wind wraps up a thing, and there is a stable property at a position.	

1st Floor	Electricity & Energy	Pedal Power	Diffusion Cloud Chamber	Top of Steel Tower	Electricity in the Town
					
	You can make electricity. Let's pedal! The harder you pedal, the more you can generate electricity. The generator creates electricity with a movement of magnet.	You can see natural radioactive rays. The white clouds are marks of trail way of radioactive rays.	This is a genuine steel tower for enduring the 33,000 volts. Because it exceeds 20 meters in height, we display only the upper part, here.	Electricity is used for various kinds of equipment in the town. You can see a traffic signal up close. You must be surprised, how big it is!	

B1 Floor	Planetarium		<p>We have a hybrid system which contains digital planetarium for full dome imaging and classical planetarium for realistic starry skies. All shows are live program by staff specialized in astronomy.</p> <p><b>NARATION : JAPANESE ONLY(There is no translation machine.)</b>  <b>ADMISSION : 600yen(Adult, per view)</b>          /About 45minutes for each screening          /It is not possible to enter when sold out          /You cannot cancel and change schedules</p>
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1st Floor	Museum Shop		<p>Please look for the souvenir of your visit. In the shop, there are various goods which you can enjoy science at home. And there are fine original goods here!</p> <p>OPEN : 10:30am~5:00pm</p> <p>Cafe : 9:30am~4:30pm (last call 4:00pm)</p>
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OSAKA SCIENCE MUSEUM <http://www.sci-museum.jp>

4-2-1 Nakanoshima, Kita-Ku, Osaka, JAPAN