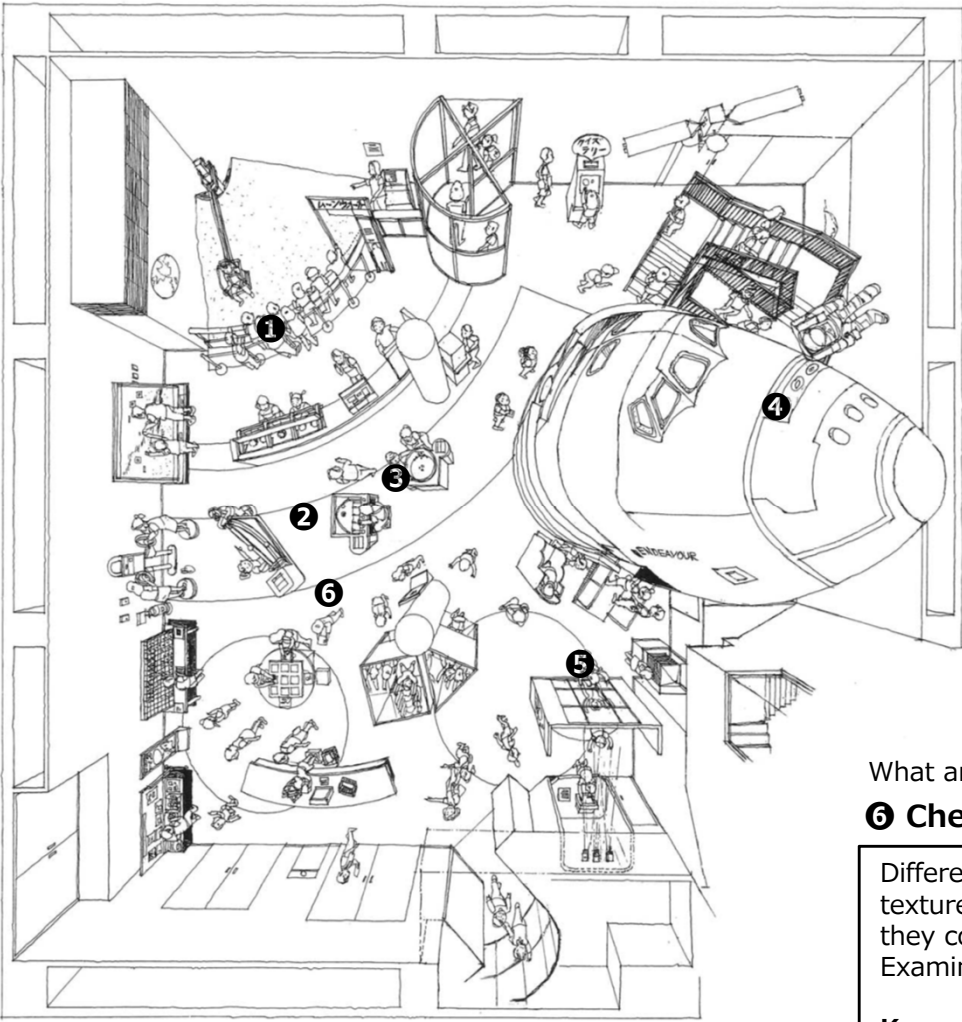


Exhibition Room Main Attraction Map

Exhibition Room 1 “Meet the Science”

Let's conduct experiments while looking for common properties and laws among them.



What kind of place is the Moon?

❶ Surface Gravity

An object that weighs 1 kg on Earth feels lighter when you take it to the Moon.
Let's compare how it feels on the sun, Mars, and Jupiter.

Keywords: weight, surface gravity

Why does it work that way?

❷ Ball Race

Rolling balls on a straight slope and a curved one at the same time will make them move differently.
Let's compare the order of arrival at the finish line.

Keywords: movement of balls, speed

❸ Parabola Golf

A ball rolled off the rail is collected at a point on the parabola wall.
Try it out.

Keywords: parabola, focus

Getting to space?

❹ Space Shuttle

This is a full-scale model of the forward fuselage of the Space Shuttle; a NASA spacecraft, in the USA.

What's the light?

❺ Rainbow Shadow

The combination of red, blue, and green light can create shadows of various colors (white, cyan, magenta, yellow, red, blue, and green).
Try blocking out a light and see what color you get.

Keywords: three primary colors of light

What are things made of?

❻ Checker Table

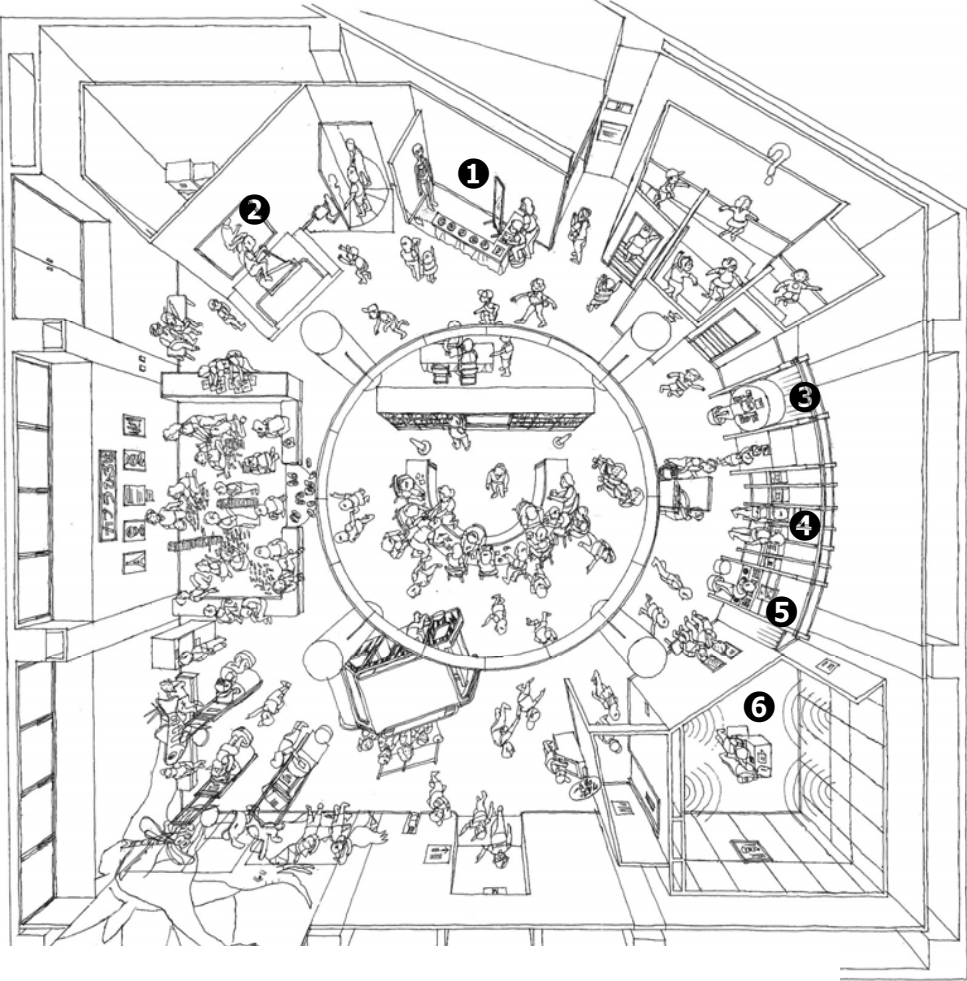
Different materials have different properties, such as texture, whether they stick to magnets, and whether they conduct electricity.
Examine the common and different properties.

Keywords: metal, electrically conductive objects, magnets

Exhibition Room Main Attraction Map

Exhibition Room 2 "Body & Senses"

How is the human body made up?



1 Human Body Exploration

Press a button to project the inside of your body onto a doll, and learn about how our bodies are made!

Keywords: skeleton, muscle, blood vessel, nerve, internal organ

2 The Bone of the Leg

Looking in the mirror while pedaling a bike, you can see how the leg is made.

Keywords: bones, joints

6 Sound Laboratory

Sound is transmitted by vibrations in the air, and other substances. The vibrations can be converted into electrical signals and displayed on an oscilloscope to see the sound waveform.

Keywords : ear, hearing

3 Dynamic Visual Acuity

One of the properties of the eye is dynamic visual acuity, which is the ability to distinguish between moving objects. Identify shapes and letters that move at high speeds.

Keywords: eyes, vision, dynamic visual acuity

4 Smell Guessing Quiz

The number of smells we can recognize is said to be between 1,000 and 4,000. Sniff the scent hidden in a box and guess what it is.

Keywords: nose, olfaction

5 Tactile Game

Hands have sensory points that feel pain and temperature. Try to guess the various items in a box which have different textures.

Keywords: skin, tactile, pain receptor, touch receptor, pressure point, cold receptor, warm receptor

Exhibition Room Main Attraction Map

Exhibition Room 3 "System & Mechanism"

The theme of this room is the "mechanisms of machines" that we are familiar with, and the various "systems of society" that support our daily lives.

1 The Workings of Piano

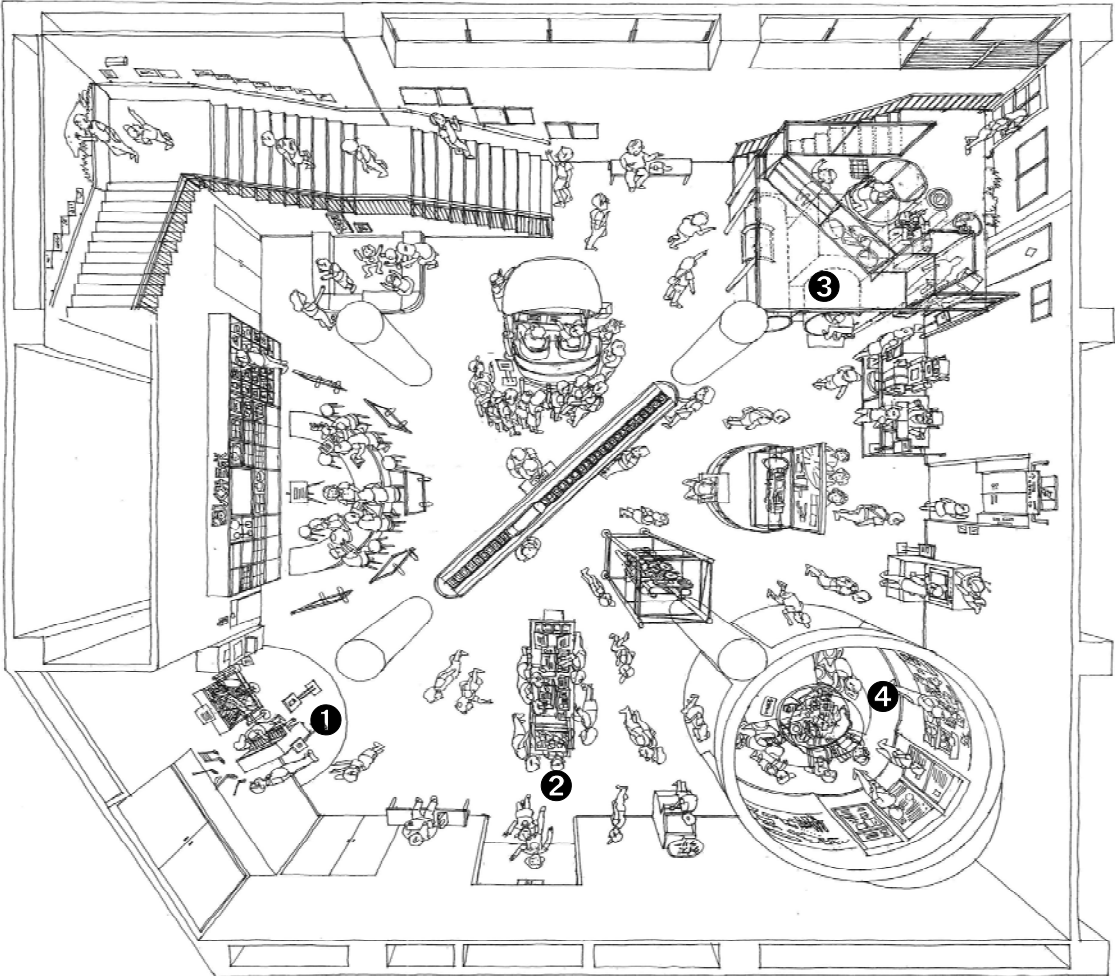
A piano with a transparent panel so that the inside is visible.
See how the parts move, and how they resonate when played.

Keywords: sound, vibration, piano

2 Mechanism of a Clock

Introducing how a clock works.
Let's see how a pendulum clock tick away the time.

Keywords: pendulum, clock



3 Underground Exploration

Let's take a look at the underground pathways for electricity, gas, and water that are essential for our daily lives.
※The sewage model shown here is a separated system for rainwater and waste water.

Keywords: water pipes, sewage pipes (rainwater pipes, waste pipes), electric wires, gas pipes

4 Electric Town

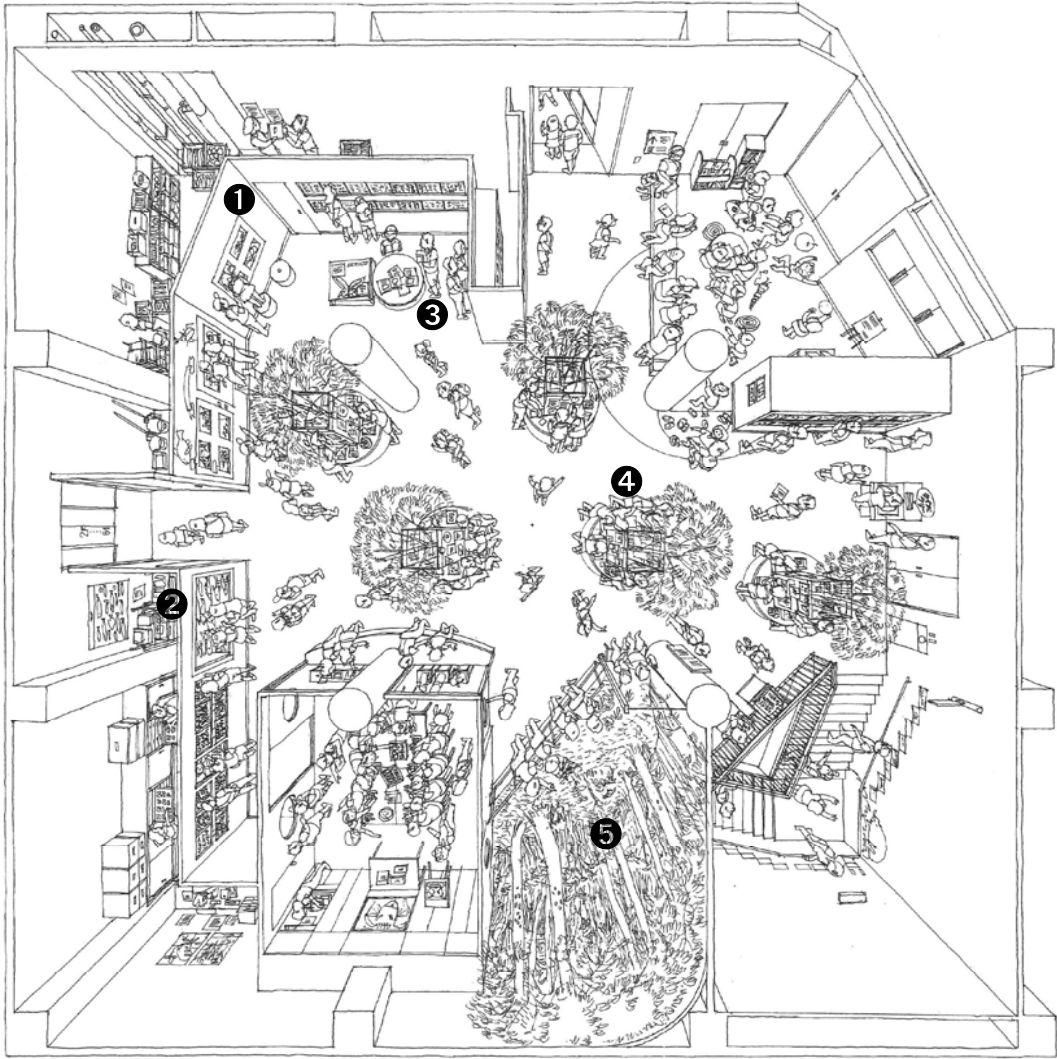
The model of a city lights up as you pedal your bike.
Let's work together as a trio to turn the lights on all over the city.

Keywords: power generation

Exhibition Room Main Attraction Map

Exhibition Room 4 “Life & Environment”

Introduces the familiar natural environment of this area, mainly from around this Science Museum.
Take a look at common creatures from a different perspective.



1 Live Animal Exhibit

Visitors may see a variety of living things, including fish from the river near the science museum.

Keywords: nature of the region, creatures in the waterfront

2 Mounted Fish

Mounted specimens made from real fish skin are on display.

Keywords: mounting, fish

3 Specimens · mounted animals

Mounted animals and replicas (models) of birds, reptiles, and various other living creatures that can be seen around us are displayed here.

Keywords: mounting, birds, amphibians, reptiles, mammals, replica

4 Tree Exhibit

Introduce familiar creatures and seasonal topics.

Keywords: nature in the region, familiar creatures

5 Thickets in Musashino

Diorama of the scenery of this area in the 1960s. Look carefully to find various animals and insects.

Keywords: Musashino, thicket, birds, insects

Exhibition Room Main Attraction Map

Exhibition Room 5

“Geoscience”

Learn about earth science by touching and observing rocks, and fossil specimens.
Experience how the geology of the place around you is part of the larger Earth.

❶ Introductory Geology: Fossils

Fossils are traces of living creatures from ancient times. By observing fossils, one can imagine what the Earth was like long ago.

Keywords: paleontology, evolution, extinction, index fossil

❷ Introductory Geology: Rocks

This corner explains the structure of the earth and the rock cycle.

Calcite: Take a look at calcite. One picture paced at the bottom appears to be two pictures.



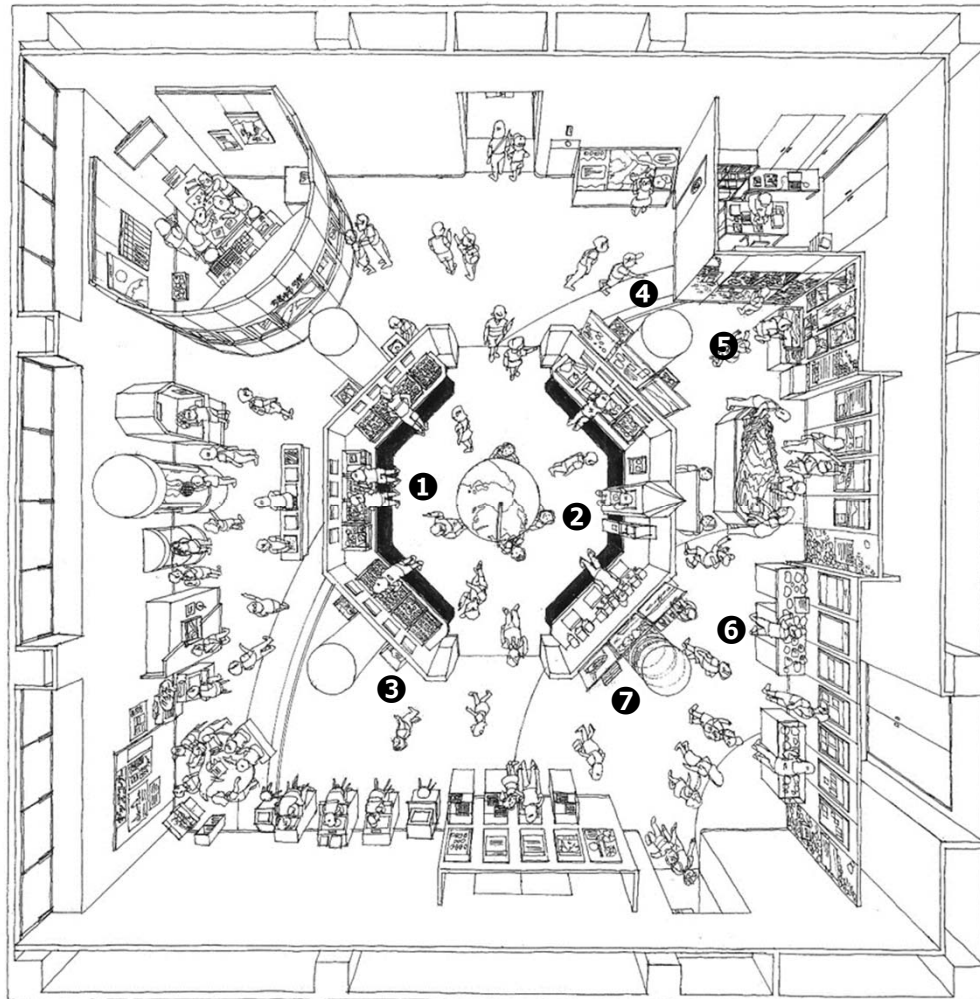
Polarizing microscope: A microscope that examines the type, size, and shape of minerals by passing light through thin slices of rock.

Keywords: rocks, minerals

❸ Let's Go Fossil Hunting

On the riverbanks in the middle reaches of the Tama River, fossils from 1.25 to 3 million years ago can be found.

Keywords: facies fossils, environmental change



❹ Geology of the Okutama Mountains

In the Okutama Mountains, you can observe former coral reefs and strata of sand and mud that were deposited in the ocean.

Keywords: accretionary prism, plate tectonics

❺ Spring Water in Musashino Plateau

Under the Kanto loam formation* of the Musashino Plateau, there are layers of pebbles, and the pebble layer is rich in groundwater. In some places where the Kanto loam formation is thin, spring water can be found.

Keyword: groundwater

❻ Learn Geology of the Mountains from Pebbles on the Riverbanks

There are various kinds of pebbles on the riverbanks. Those pebbles were carried from the mountains.

Keyword: gravel

❼ Kanto Loam Formation in the Musashino Plateau

Most of the Musashino plateau is covered with a stratum called the Kanto loam formation*.

*The Kanto loam formation was formed by the accumulated volcanic ash.

Keywords: volcanic ash, accumulation