

3F



ComPaSS
Exploration area for families with children

The ComPaSS is designed to encourage communication between children aged 4-6 years and their parents. (aged 0-12 years also acceptable.)Children must be accompanied by parents or adults.

※Each visitor is required to have an admission ticket. Tickets are limited and available for free at the ticket machine next to the Global Gallery Information Desk (1st floor).

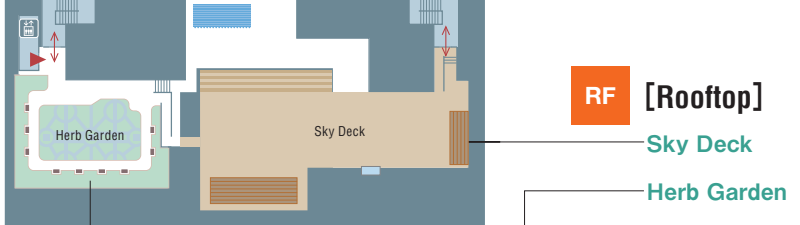
※Visitors aged above 13 years or unaccompanied children are prohibited from entering the room.

Animals of the Earth



- 1.Peak of Evolution : Large Wild Mammals**
①Peak of evolution : large wild mammals
- 2.Way of Survival**
②Way of survival
- 3.Mammals in Savanna**
③Mammals in savanna
- 4.Our Evolutionary Kindred**
④Our evolutionary kindred
- 5.On the Brink of Extinction**
⑤On the brink of extinction
- 6.Birds of Diverse Appearances**
⑥Birds of diverse appearances

RF



2F

Investigation Technology for the Earth

- A.GED**
(Global Environmental Detector)
- ①GED
(Global environmental detector)
- B.The Science to Investigate the Earth**
②Investigate the ground
③Investigate interior of the earth

Progress in Science and Technology

- 1.Introduction to the History of Science and Technology**
①Introduction to the history of science and technology
- 2.Science and Technology in the Edo Period**
②Mining in the Edo period
③Development and popularization of arithmetic
④Astronomy and surveying
⑤Transition from herbalism to natural history
⑥Medicine in the Edo period
⑦Skills of the masters
- 3.The Beginning of Modernization**
⑧Standardization of criteria and systems
⑨Cultivating human resources for modernization
⑩Spread of modern science and technology
⑪Introduction of machine tools
⑫Introduction of electrical power systems
- 4.Results of Modernization**
⑬Inventions and creations by Japanese people
⑭Birth of the car manufacturing industry
⑮Development of aviation technology
⑯New technology: picture transmission
- 5.Further Developments in Japanese Science and Technology**
⑰Mechanical calculators
⑱Computers
⑲Space development in Japan
- 6.Past, Present, and Future of Science and Technology**
⑳Past, present, and future of science and technology



1F

Navigators on History of Earth

- 1.Navigators on History of Earth**
①All comprise atoms
②History of the universe
③History of life
④History of humankind
⑤Time line stage

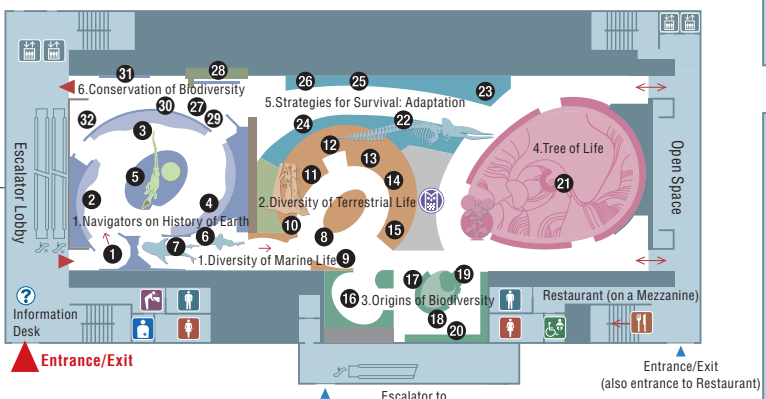


Biodiversity

- 1.Diversity of Marine Life**
①Photosynthetic ecosystem
②Chemical synthetic ecosystem
- 2.Diversity of Terrestrial Life**
③Various landscapes on earth
④The linkage of life
⑤Mangrove forests
⑥Tropical rainforests
⑦Wetlands
⑧Temperate forests
⑨Alpine regions
⑩Deserts
- 3.Origins of Biodiversity**
⑪What is life?
⑫Species of life
⑬Factors of diversification : evolution
⑭Factors of diversification : speciation
⑮Examples of diversification
- 4.Tree of Life**
⑯Tree of life
- 5.Strategies for Survival: Adaptation**
⑰Size factors
⑱Challenges of extreme temperature and humidity
⑲Seeking for nutrients
⑳Succession of life
㉑Symbiosis and parasitism
- 6.Conservation of Biodiversity**
㉒How much do we really know?
㉓Pursuit of biodiversity
㉔Red list
㉕Inter-specific network around Japanese crested Ibis
㉖Recovery of endangered species
㉗Networks on conservation of biodiversity



1F



M2F

M2F

Great Japanese Figures in Science and Technology

This exhibit can be easily accessed by stairs located in front of the Information Desk on the 1st floor or by escalator from the 2nd floor.

- Toilets
- Accessible toilets/
Baby changing stations
- Ostomate toilets
- Drinking fountain
- Elevator *Accessible
- Discovery pocket
- Nursing room

Global Gallery Floor MAP

Evolution of Life

—Exploring the Mysteries of Dinosaur Evolution—



B1F

- 1.Exploring the Mysteries of Dinosaur Evolution**
①Evolution of saurischian dinosaurs
②Evolution of ornithischian dinosaurs
③The last day of the Mesozoic
- The Special Exhibition Hall**

Evolution of Life

—From the Earth's Origin through Human Existence—



B2F

- 1.A Stroll Through 4.6 Billion Years of History**
①A stroll through 4.6 billion years of history
- 2.Geological Samples from the Planet Earth**
②Rocks and minerals
③Fossils
- 3.Biotic Response to Global Environmental Change**
④Records of global environmental change
⑤Mass extinctions
⑥Geosphere-biosphere interactions
⑦Microfossils
- 4.Explosive evolution of life in the sea**
⑧Precambrian microorganisms
⑨Vendian life
⑩Strange animals in Burgess Shale and Chengjiang Faunas
⑪Paleozoic invertebrates
⑫Trilobites in the paleozoic sea
⑬Evolution and success of fishes
- 5.Plants and Animals invade the Land**
⑭First steps on the land
⑮Greening the land
- 6.The Age of Mammals**
⑯Origin of the mammals
⑰Mesozoic mammals
⑱Early mammals lived in forests
⑲Early mammals lived in grasslands and arid lands
⑳Mammals of island continents
㉑Graviportal mammals
㉒Carnivorous mammals
- 7.Secondary adaptation of tetrapods to life in water.**
㉓Secondary adaptation of tetrapods to life in water
㉔The forerunners of aquatic mammals
㉕Convergence to life in water
㉖A pioneer in new food resources.
㉗A gigantic marine reptile
㉘Diving birds
- 8.Flying tetrapods**
㉙Flying tetrapods
- 9.Human Evolution**
㉚Primate evolution
㉛The evolution of the Australopithecines and contemporary species
㉜The expansion of early Homo
㉝Reconstructing ancient humans
㉞The evolution and worldwide expansion of modern humans
㉟The expansion of modern humans: out of Africa again
㊱The expansion of modern humans: into Eurasia
㊲The expansion of modern humans: into Oceania
㊳The expansion of modern humans: into northern Eurasia
㊴The expansion of modern humans: Into the Americas

Exploring the Structure of Nature



B3F

- 0.Japanese Scientists**
①Japanese Nobel Prize laureates in physics, chemistry, and physiology or medicine
②Japanese builders of science with items from our collection
- 1.Exploring the Laws of Nature**
③Exploring the world of elementary particles
KEKB accelerator & Belle experiment
④Measurements
⑤Measuring electricity and magnetism
⑥Measuring temperature
⑦Thermal radiation and energy
⑧Speed of light
⑨Gravity
- 2.Exploring the Universe**
⑩Telescopes: our eyes to investigate the universe
⑪Let's take a look at celestial bodies
⑫Hierarchical structure of the universe
⑬The solar system
⑭Fixed stars, nebulae, and star clusters
⑮Galaxies and clusters of galaxies
⑯Superclusters of galaxies and the large-scale structure of the universe
⑰The expansion of the universe and its origin
- 3.Exploring the World of Matter**
⑱Hierarchical structure of matter
⑲Periodic table: the diversity of elements
⑳Shape of molecules: a variety of matter
㉑Exploring the nanoworld
㉒Exploring the ultimate formation of matter
㉓Macroscopic properties and microscopic properties
㉔Functional materials
㉕Striving for environmentally friendly chemistry