Global Gallery Floor MAP

3F ComPaSS
Exploration area for families with children

Animals of the Earth

1.Peak of Evolution : Large Wild Mammals
❶Peak of evolution : large wild mammals

2.Way of Survival
❷Way of survival

3.Mammals in Savanna
❸Mammals in savanna

4.Our Evolutionary Kindred
❹Our evolutionary kindred

5.On the Brink of Extinction
❺On the brink of extinction

6.Birds of Diverse Appearances
❻Birds of diverse appearances

2F Investigation Technology for the Earth

A.GED (Global Environmental Detector)
ⓐGED (Global environmental detector)

B.The Science to Investigate the Earth
ⓑInvestigate the ground
ⓒInvestigate interior of the earth

Progress in Science and Technology

1.Introduction to the History of Science and Technology
❶Introduction to the history of science and technology

2.Science and Technology in the Edo Period
❷Mining in the Edo period
❸Development and popularization of arithmetic
❹Astronomy and surveying
❺Transition from herbalism to natural history
❻Medicine in the Edo period
❼Skills of the masters

3.The Beginning of Modernization
❽Standardization of criteria and systems
❾Cultivating human resources for modernization
❿Spread of modern science and technology
⓫Introduction of machine tools
⓬Introduction of electrical power systems

4.Results of Modernization
⓭Inventions and creations by Japanese people
⓮Birth of the car manufacturing industry
⓯New technology: picture transmission

5.Further Developments in Japanese Science and Technology
⓱Mechanical calculators
⓲Computers
⓳Space development in Japan
⓴Ocean Research in Japan

6.Past, Present, and Future of Science and Technology
㉑Past, present, and future of science and technology

1F Navigators on History of Earth

1.Navigators on History of Earth
❶All comprise atoms
❷History of the universe
❸History of life
❹History of humankind
❺Time line stage

Biodiversity

1.Diversity of Marine Life
❻Photosynthetic ecosystem
❼Chemical synthetic ecosystem

2.Diversity of Terrestrial Life
❽Various landscapes on earth
❾The linkage of life
❿Mangrove forests
⓫Tropical rainforests
⓬Wetlands
⓭Temperate forests
⓮Alpine regions
⓯Deserts

3.Origins of Biodiversity
⓰What is life?
⓱Species of life
⓲Factors of diversification : evolution
⓳Factors of diversification : speciation
⓴Examples of diversification

4.Tree of Life
㉑Tree of life

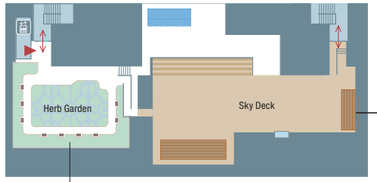
5.Strategies for Survival: Adaptation
㉒Size factors
㉓Challenges of extreme temperature and humidity
㉔Seeking for nutrients
㉕Succession of life
㉖Symbiosis and parasitism

6.Conservation of Biodiversity
㉗How much do we really know?
㉘Pursuit of biodiversity
㉙Red list
㉚Inter-specific network around Japanese crested Ibis
㉛Recovery of endangered species
㉜Networks on conservation of biodiversity

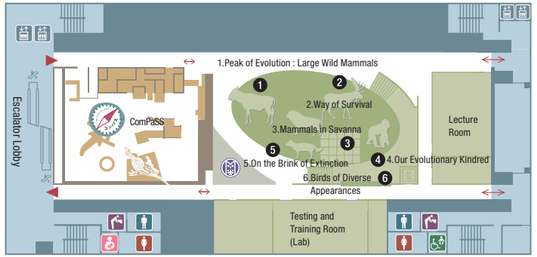
M2F Great Japanese Figures in Science and Technology

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.

RF [Rooftop]
Sky Deck
Herb Garden



3F



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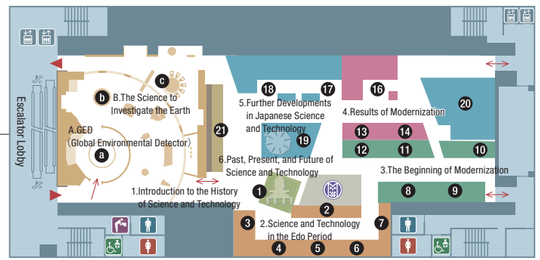
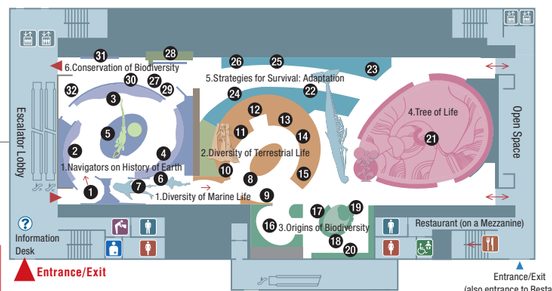


1F



M2F

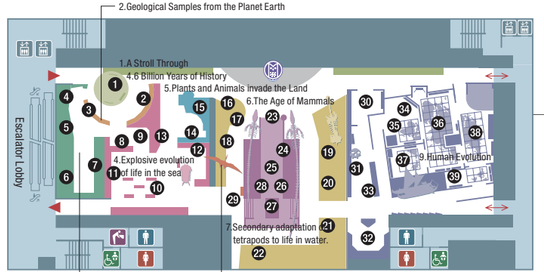
Japan Gallery
Exit General Information Desk
Audio Guide Desk
Museum Shop
Lounge and Cafeteria
THEATER 360

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

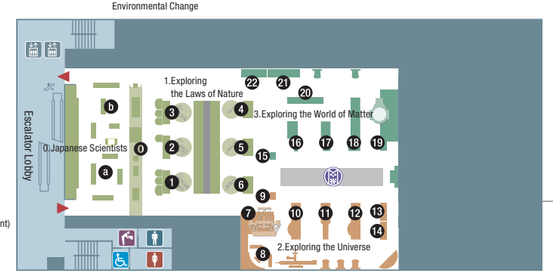
※These elevators don't stop at this floor.

B1F

B2F



B3F



Evolution of Life
—Exploring the Mysteries of Dinosaur Evolution—

B1F

1.Exploring the Mysteries of Dinosaur Evolution
❶Evolution of saurischian dinosaurs
❷Evolution of ornithischian dinosaurs
❸The 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
❶A stroll through 4.6 billion years of history

2.Geological Samples from the Planet Earth
❷Rocks and minerals
❸Fossils

3.Biotic Response to Global Environmental Change
❹Records of global environmental change
❺Mass extinctions
❻Geosphere-biosphere interactions
❼Microfossils

4.Explosive evolution of life in the sea
❽Precambrian microorganisms
❾Vendian life
❿Strange animals in Burgess Shale and Chengjang Faunas
⓫Paleozoic invertebrates
⓬Trilobites in the paleozoic sea
⓭Evolution and success of fishes

5.Plants and Animals invade the Land
⓮First steps on the land
⓯Greening the land

6.The Age of Mammals
⓰Origin of the mammals
⓱Mesozoic mammals
⓲Early mammals lived in forests
⓳Early mammals lived in grasslands and arid lands
⓴Mammals 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 evolution 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
ⓐJapanese Nobel Prize laureates in physics, chemistry, and physiology or medicine
ⓑJapanese builders of science with items from our collection

1.Exploring the Laws of Nature
⓿Exploring the world of elementary particles KEKB accelerator & Belle experiment
❶Measurements
❷Measuring electricity and magnetism
❸Measuring temperature
❹Thermal radiation and energy
❺Speed of light
❻Gravity

2.Exploring the Universe
❼Telescopes: our eyes to investigate the universe
❽Let's take a look at celestial bodies
❾Hierarchical structure of the universe
❿The solar system
⓫Fixed stars, nebulae, and star clusters
⓬Galaxies and clusters of galaxies
⓭Superclusters of galaxies and the large-scale structure of the universe
⓮The expansion of the universe and its origin

3.Exploring the World of Matter
⓯Hierarchical structure of matter
⓰Periodic table: the diversity of elements
⓱Shape of molecules: a variety of matter
⓲Exploring the nanoworld
⓳Exploring the ultimate formation of matter
⓴Macroscopic properties and microscopic properties
㉑Functional materials
㉒Striving for environmentally friendly chemistry