



- Building
- Roadway
- Parking lot & pathway
- ♿ Accessible Entrances
- ♿ Restrooms
- 🚌 Shuttle stop
- + Ambulance
- 🍴 Food & Beverage
(Food & beverage tent:
9W Market)
- * Disability Services

* Last shuttle buses to Morningside Campus and CRESTRON Parking Lot leave at 4:00 pm

EXPLORE THE EXHIBIT AREAS

1. WELCOME | GIFT SHOP TENT

Kids' Scavenger Hunt • Programs • Geology Tour Sign-ups • Gift Shop

2. EARTH2CLASS

Mini-Workshops (*schedule on back*) • Eco Dendro-Hike Tour Signups

3. CORE REPOSITORY

Thousands of Cores, Rocks & Sediments

4. CENTER FOR INTERNATIONAL EARTH SCIENCE INFORMATION NETWORK

5. SEISMOLOGY, GEOLOGY & TECTONOPHYSICS

5A: Rock Mechanics • Tools of the Trade: Ocean Bottom Seismology

5B: Sea Level Change: Back to the Future • Sounds of Seismology! • Tidal Forcing & Tiny Earthquakes

6. BIOLOGY & PALEO ENVIRONMENT

Oysters from the Hudson River • Organic Geochemistry • Making the Invisible Visible • How do microscopic organisms help our planet "breathe"? • Climate Change Research at the Arctic Long-term Ecological Research Station

7. GEOCHEMISTRY | EARTH SCIENCE LECTURES

7A: Soil & Paint Lead Sampling • Marine Life Under Threat from Plastic Pollution

7B: Space Rocks! • Secondary School Field Research Program • Earth Science Lectures (*schedule on back*)

8. VOLCANOES | LAVA FLOWS

9. OCEAN & CLIMATE PHYSICS

Rotating Tank • Wet Bulb Temperature & Humid Heat • Cloud in a Bottle • Global Warming & CO₂ • Ocean Circulation • Hurricanes & Storm Surges • Learning the Earth with AI & Physics (LEAP) • Atmospheric Chemistry

10. IN SEARCH OF EARTH'S SECRETS

JOIDES Resolution Research Vessel Pop-Up Science Experience

11. VOLCANO DRONE FOOTAGE SCREENING

12. EARTH SCIENCE LECTURES | HOPE SYMBOL PROJECT

Earth Science Lectures (*schedule on back*) • Hope Symbol Project Art Exhibit

13. MARINE & POLAR GEOPHYSICS

Sound in Water • Polar Climate Ambassadors • Hudson River Field Station • VISER: Visualizing Ice Sheets in Extended Reality • Snow & Ice Detectives • Bangladesh: Sea Level Rise & Tectonics • Ice Flows! • Polar Puzzles • Glacier Hauntologies • Hidden Landscapes: Guess What's Beneath the Ice! • Making Waves

14. TREE-RING LAB

Tree-Ring Samples & Field Photography

15. BATHTUB SCIENCE

16. MARINE/LARGE PROGRAMS

Scientific Ocean Drilling • GMRT & Nippon Foundation GEBCO Seabed 2030 Project • GeoMapApp • INSPIRE Program

OPEN HOUSE

SATURDAY, OCTOBER 14, 2023 | 10AM to 4PM



SHUTTLE BUS INFORMATION

- **120th Street, Manhattan to LDEO:** Buses depart for the LDEO campus from 120th Street (between Amsterdam and Broadway, in front of Teachers College) in 15-minute increments beginning at 9:15 am until 1:15 pm.
- **LDEO to 120th Street:** Buses return to 120th street from LDEO in 15-minute increments beginning at 11:00 am through 12:30 pm and from 1:30 pm ending at 4:00 pm.
- **CRESTRON Parking Lot to/from LDEO:** Shuttle buses run continuously from 10:00 am to 3:00 pm (Open House event parking closes at 3pm) arriving and departing in front of the Geoscience Conference Building at LDEO.

We gratefully acknowledge the generous support of our sponsors:



Florentin Maurrasse • South Orangetown Ambulance Corps



LECTURES AT OPEN HOUSE

Featuring Lamont-Doherty Earth Observatory and Columbia University Professors, Researchers and Scientists

Exhibit 12

MONELL BUILDING AUDITORIUM

- 11:00 am **The Epidemiological Characteristics of COVID-19: Why it Created a Pandemic,** Jeffrey Shaman
- 12:00 pm **Exploring Different Approaches to Climate Justice in STEAM,** Panelists: Isatis Cintron Rodriguez, Kristina Douglass, Marco Tedesco, Skyller Walkes
- 1:00 pm **Communicating Science in a Distracted World,** Moderator: Miles O'Brien, award-winning journalist; Panelists: Daniel Babin, additional panelists TBC
- 2:00 pm **Climate Refugees? Media Portrayals Versus the Reality of Climate-Related Migration,** Alexander de Sherbinin

Exhibit 7

GARY C. COMER GEOCHEMISTRY BUILDING Seminar Room, 1st Floor

- 10:30 am **Sinking River Deltas: the Canary in the Coal Mine for Climate Change,** Michael Steckler
- 11:30 am **What Do We Know About Past Atmospheric CO2 and How Do Scientists Find Out,** Bärbel Hönlisch
- 12:30 pm **Time is deep - How do we know?,** Alberto Malinverno
- 1:30 pm **Environmental and Health Consequences of Microplastics: Small Shape, Big Impact,** Beizhan Yan
- 2:30 pm **Exploring the Antarctic Ice Sheet Through Satellites,** Indrani Das

Exhibit 2

GEOSCIENCE CONFERENCE ROOM, 1st Floor (E2C) Mini-Workshops

- 10:00 am **Earth2Class: Bringing Research to Your Classroom,** Michael Passow
- 1:00 pm **Girls on Ice: Opportunities for high school students to experience real science in the field,** Journey Berry
- 3:00 pm **Earth2Class: Bringing Research to Your Classroom,** Michael Passow
(same talk as 10am)

OPENHOUSE.LDEO.COLUMBIA.EDU

#LamontRocks

