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
   - 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

9. Ocean & Climate Physics
   - JOIDES Resolution Research Vessel Pop-Up Science Experience

10. In Search of Earth’s Secrets
    - 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

11. Volcano Drone Footage Screening
    - Hope Symbol Project Art Exhibit

12. Earth Science Lectures | Hope Symbol Project
    - Earth Science Lectures (schedule on back) • Hope Symbol Project Art Exhibit

    - Scientific Ocean Drilling • GMRT & Nippon Foundation

14. Tree-Ring Lab
    - Tree-Ring Samples & Field Photography

15. Bathtub Science
    - GECBO Seabed 2030 Project • GeoMapApp • INSPIRE Program

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

We gratefully acknowledge the generous support of our sponsors:

Orange & Rockland
Florentin Maurrasse • South Orangetown Ambulance Corps

OPENHOUSE.LDEO.COLUMBIA.EDU  #LamontRocks