

**The request to staff:**

Hi Everyone,

I attended an exhibitions/education meeting today in which the latest plans for the Hall of Planet Earth updates were discussed. The folks from exhibitions asked to know how we are using the items being updated in that hall specifically (what questions are we asking on worksheets, etc) as well as what we can't get at with what is in there now (how are we limited?).

Bella asked that I put the word out to CFL/YI for examples of any written materials as well as how instructors are asked to facilitate at the following sections of the hall as is written in curricula. This might be a lot, but they are asking for our input!! Let's show them we have lots of input!

Thanks!

Sarah

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**Responses:**

Hello Sarah,

I'm the lead teacher for BridgeUp: STEM and I incorporate HoPE into several of my lessons. I hand out a scavenger hunt sheet early on in the Brown Scholars program (see attached) that mostly focuses on earthquakes, plate tectonics, and the earth's composition so it includes the affected areas of convection and monitoring earthquakes. This introduces many concepts for the Earthquakes unit of the course and I bring up objects from the hunt throughout the unit.

Ben Orlove, our guest speaker for the Climate Change unit in the Brown Scholars course also uses HoPE during his presentation, having the students measure ice bands in the ice core model to find physical evidence of the earth's climate variation.

I am most interested in details about the modern techniques for studying the earth, including computational models, as this is what I focus on in my class. Any new information about how data about the earth is collected and analyzed would be much appreciated.

I look forward to seeing the updated areas of the hall and I'll be sure to adapt my curriculum as needed.

Best,  
Gabrielle  
BridgeUp: STEM

See Attachment: Hall Exploration\_HOPE- Scavenger Hunt

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Hi Sarah,

There are several SNP classes that use this Hall. Do you know what sections are going to be closed and in what order?? Afraid this may impact some of our Safaris and would be great to know in advance if at all possible...

The 3<sup>rd</sup> grade Fellowship classes use (or try to use) the Earthquake sections. But the monitor is small, high up on the wall, and hard for the kids to see/read. And obviously the seismograph doesn't work anymore. Here is an example of a safari sheet that we made last year but decided NOT to use this year: <https://docs.google.com/document/d/1vtYmTWewxIbswYFYQ4i6gYzed2TUT5pCS3mRWenJtH4/edit?usp=sharing>

We would also like to use the Earth Bulletin Wall more but it's hard to know what will be showing and when – but the size of that screen is great for a larger group.

They are only interested in how we use the Hall in regards to the sections being updated, right? (Because we also use it for Volcanoes, the Rock Cycle, Deep Sea Vents...)

Thanks!!

Ilana

Science and Nature Program

Children and Family Learning

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Hi Sarah,

I have some class materials to share with you.

Last year myself, Emily Litvack, and Kristen put together a climate change class for Year 1 Science Alliance students (11-12 yrs old). I attached the presentation we showed in class before going to the Hall of Planet Earth and the worksheet students used in the hall.

After visiting Hall of PE we took the students to the Hall of Ocean Life to identify ocean habitats and organisms that are vulnerable to climate change. We had a group discussion in the hall about what areas of the ocean they think could be most impacted and what people are doing or could be doing to address these problems. This class could always be repurposed in the future if there's an opportunity. I love talking about climate change!

Fellowship Year 1 classes (8-9 yrs old) usually visit the Hall of PE to look at Earthquake data as part of our Earth Science unit. This year we visited the DR seismograph because it's really fantastic and more useful than what's currently in Hall of PE.

I've also attached the worksheet they use in Hall of PE and a picture of the information the students collect. This year in the DR we didn't use the worksheet. We cover earthquakes in 2 classes. One class is about how to study earthquakes, what info you can get from a seismograph, and p-waves and s-waves. The second class is engineering for earthquakes - students build structures and we test them on jell-o land. Lots of fun!

I hope this is helpful!

-Safiya

Science and Nature Program  
Children and Family Learning

See Attachemnets: Climate Change.pdf; Climate Change hall Worksheet; 11-6-17 XURRENT  
Earthquake Safari; Recent Earthquakes image

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Hi Sarah,

We use HOPE for the Dynamic Earth course, as well as Secrets of the Solar System to talk about what geologists are looking at when they are in the field and well as an . introduction to plate tectonics. Both of these activities are int he back of the hall.

We have used the ice core for What Happened to the Neanderthals to demonstrate ways scientists measure climate changes over time.

And we have used the climate change exhibit for Coding Climate Change to introduce what climate is and what factors we measure when gathering data.

Best,

Leah Golubchick  
Manager of Middle and High School Programs and Institutes  
Youth Initiatives

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Hi Sarah,

I use HOPE for my Urban Ecology class (Our Concrete Jungle) to talk about human effects on the environment. I've attached a worksheet for the hall. I also occasionally use HOPE in my Tree of Life class to talk about geological changes over time.

Best,

Christina Newkirk  
Conservation Biology Educator  
Youth Initiatives

See Attachment: Effects of the Industrial Revolution

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Adventures in Science Curriula with rationale:

[https://drive.google.com/drive/folders/1e9dsfeSCMa6FUOutbVJdn\\_M7H-aI2jdx](https://drive.google.com/drive/folders/1e9dsfeSCMa6FUOutbVJdn_M7H-aI2jdx)

Arline Lee  
Adventures in Science  
Children and Family Learning

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Gateway Storytime Program:

We bring children 2-5years old to a hall visit after reading a related content book. This year we will read a book called *Volcano Rising* by Elizabeth Rusch and look at the pillow lava

Sarah Moshenberg

Discovery Room  
Children and Family Learning

See Attachement: Volcano Rising