

LIPS 2024 Schedule

NOTE: The Haile Planetarium and the three classrooms we will be using are all on the fourth floor of the Dorothy Westerman Herrmann Science Center. An interactive campus map is available at:

<https://map.nku.edu/>

Tuesday, 9/3

- Opening social reception from 5 to 7 pm in and around the Haile Planetarium.
- Optional campus tour leaving at 6pm from the planetarium area.
- Non-alcoholic drinks and hors d'oeuvres will be provided.

Wednesday, 9/4

Time	Location	Presenter	Title	Description
9 – 9:30 am	SC406	All	Introductions and overview	
9:30 – 10 am	SC406	Karrie Berglund	What is Interaction, and Who Needs It?	The term “interaction” can mean different things to different people. We will explore the definition of this word, ideas for different types of interaction, and benefits of interaction.
10 – 10:30 am	SC416	All	Break	Coffee, tea, and snacks
10:30 - noon	SC406	Dan Dennis	Theater skills	How can theater skills enhance our interactive planetarium programs? We will explore this with Ohio University's Dr. Dan Dennis. As a former supervisor of the Willard Smith Planetarium at Pacific Science Center, Dan knows from experience what types of skills are needed for successful interactive planetarium programs. These exercises are sure to be both fun and thought-provoking.
Noon – 12:45 pm	SC416	All	Lunch	
12:45 – 1:30 pm	SC406	Susan Button	You're Never Too Old	It takes special techniques to help seniors learn about their place in space and the celestial dances happening in their sky neighborhood. Let's explore ways to enhance teaching basic astronomy patterns and cycles for the delightfully inquisitive life long learners in your community.

1:35 – 2:10pm	SC406	Andy Kreyche	Does Size Matter?	When planetarians who don't know each other first meet, a common question to break the ice is, "What size is your dome?" When it comes to impacting our audiences through interactivity, we might assume that smaller is better. But we each create and utilize techniques to better connect with our audiences, regardless of dome diameter. Be ready to share approaches specific to your home dome, and then explore how they might be adapted to work in a different space.
2:10 – 2:40pm	SC416	All	Break	
2:40 – 3:25 pm	SC406	Erin Bennett	Storytime Under the Stars	<p>There have been countless studies that prove reading picture books aloud helps kids to develop their language skills, social awareness, ability to focus, communication skills, and more... but it can also improve our live planetarium programs! Varying the energy, rhythm, inflection, and speed of our voices makes our presentations more interesting and engaging for all audiences. Reading picture books naturally encourages us to exercise all of these vocal techniques.</p> <p>We will practice reading excerpts from familiar picture books together to warm up and recognize different vocal techniques, then apply those techniques to excerpts from planetarium shows to explore how our live programs can better capture our audience's attention and imagination.</p>
3:30 – 3:50 pm	Dome	Michael McConville	Cosm sponsor demonstration	
3:55 – 4:30 pm	Dome	Shira Moskowitz	Dinos, Cryptids, Pokémon, and More!	First, forget everything you know about constellations in the sky, say only what you see with your imagination. Second, let's get creative! Using themes from cryptids to dinosaurs, how one can spice up their Shapes in the Sky adventures.
4:40 – 5 pm	SC402	Joanne Young	AVI sponsor demonstration	
5:05 – 5:20 pm	SC402	Julie Tomé	Wrap up	What insights did you gain today? Did you experience any "ah ha!" moments? Let's hear your thoughts!

Thursday, 9/5

Time	Location	Presenter	Title	Description
9 – 9:15 am	SC406	Karrie Berglund	Overview of the day	
9:15 – 10 am	SC406	Shira Moskowitz	Live from the Observatory	Do you run both a planetarium and an observatory? What if we connected them together and created a show? Let's workshop ideas of how to create a live planetarium program featuring a live feed from an observatory.
10 – 10:30 am	SC416	All	Break	Coffee, tea, and snacks
10:30 - noon	SC406	Ka Chun Yu	And-But-Therefore for Creating Planetarium and Science Stories	<p>And-But-Therefore (ABT) is a powerful framework for describing storytelling in its many forms. In addition to being extremely versatile, ABT is easy to understand and learn. However, it can take considerable practice to do well if you aren't a storyteller already.</p> <p>Thus, for this workshop, I will introduce ABT and how it works using examples that are familiar to all; dissect fulldome films using the ABT framework; learn how to apply ABT to any science story; and then try our hand at converting an existing lecture presentation into ABT form, and constructing ABT-based stories from science narratives that weren't already in that format.</p>
Noon -12:45 pm	SC416	All	Lunch	
12:45 – 1:45 pm	SC406	Diana Steinkampf	Fantastic moderators and how to find (and train) them	<p>In order to have good moderators for the planetarium and observatory I will explore in a workshop style how to spot the desired qualities in people who apply as moderators and how these qualities are defined for different institutions across the globe.</p> <p>Following employment of a new moderator, I also want to tackle the questions how to train the desired skill set and overcome problems that may arise. Furthermore, I offer information about the Stiftung Planetarium Berlin and how we define and handle the application and training process.</p>
1:50 – 2:35pm	SC406	Suzy Gurton	Can On the Spot Feedback Work in the Planetarium?	After offering early career astronomers techniques for deeper engagement with their audiences at outreach events, they still wondered what their audiences were taking away from their outreach presentation. Out of this,

				the NSF-funded On the Spot Feedback (OTSF) project was born. Suzy will present the OTSF model, and participants will have a chance to workshop ways to apply these audience feedback tactics in the planetarium to create an interactive show that also gives the presenter actionable feedback.
2:35 - 3pm	SC416	All	Break	Snacks
3 – 3:20pm	SC406	Anna Hurst	Astronomical Society of the Pacific sponsor VIRTUAL demonstration	
3:25 – 4pm	Dome	NKU Foley Folks	Storybook Sound Effects	NKU theater department staff will do a dramatic reading of <u>Max Underbed</u> . They will also share some principles of live sound design.
4:05 – 4:40pm	Dome	Amanda Wimmer-Flint	Postcards from Rosie: An Interactive Pre-K Experience	Meet Rosie the Rover, a curious robot who loves to roam around the solar system and send postcards back to Earth. Caught in a dust storm during our exploration on Mars, Rosie's pieces are scattered and she needs your help to put her back together again! In this highly interactive Fiske Planetarium program, young learners become junior astronauts to travel to Mars and learn how to help friends in need.
4:45 – 5pm	Dome	Andy Kreyche	Wrap up	First times LIPS attendees, we're especially interested in hearing your reflections! After two full days of LIPS, what are your insights?
Dinner on your own				
OPTIONAL 8:30 - 9:15pm	SC406	Andy Kreyche	Come Over to the Dark Side. Really!	In the planetarium, we inspire audiences to be awed by the majesty of the night sky. But with light pollution increasing by 10% each year, awe, inspiration, and dark night skies are all getting harder to come by. During this optional evening session, learn simple principles for safe, sensible lighting. You can then utilize your newfound skills, as together we evaluate some campus lighting during a short walk around NKU. These same principles can be taught to your neighbors, visitors, and institutions.

Friday, 9/6

Time	Location	Presenter	Title	Description
8:30 – 8:45 am	SC406	Karrie Berglund	Overview of the day	
8:45 – 9:30 am	SC406	Michael McConville	"Funny You Should Mention That:" Addressing Misconceptions Proactively in the Planetarium	<p>We've all been approached by visitors after a show that insist on sharing their particular view of the Cosmos -- but while these interactions are often innocuous, there are times when we experience serious misunderstandings and misconceptions of how the Universe works.</p> <p>In this session, we'll approach combating misconceptions proactively -- what are ideas and concepts that we can include in our planetarium productions that apply to a particular misconception, before they're even brought up by audiences! Bring your own experiences to share, and an open mind to how we can better empower a scientifically-literate community.</p>
9:35 – 9:55 am	SC406	Diana Yoder	Digitalis sponsor demonstration	
9:55 – 10:30 am	SC416	All	Break	Coffee, tea, and snacks
10:30 – 11:10am	SC406	Karrie Berglund to lead	Future of LIPS conversation	What went well and what could have gone better? We'll discuss these as well as what is next for LIPS.
11:15 – noon	Dome	Nina Byers & Sam Kornreich	What-If Questions: Engaging the Public with Minecraft and Astronomy	What if Earth had no moon? What if our planet was tilted on its side like Uranus? Meeting youth in the world of Minecraft is a powerful tool to encourage scientific exploration. Expanding on our session from last year, learn how you can bring Minecraft and Astronomy into your public presentations.
Noon – 12:45 pm	SC416	All	Lunch	
12:45 – 1:30 pm	SC406	Ellen Torres Thompson	Decolonizing our Planetariums	Teaching astronomy from a multicultural lens allows us to deconstruct the colonial mindset that there is only one way to experience the Universe (i.e. through a Western perspective). In

				<p>this session, participants will discuss the following questions: What is Cultural Astronomy? Why does Cultural Astronomy matter, and who does it benefit? How can Cultural Astronomy be taught in live & interactive planetarium shows? Additionally, participants will have the opportunity to share Cultural Astronomy lessons being taught in their domes.</p>
1:35 – 1:50 pm	SC406	Amanda Wimmer-Flint	An Interactive Exploration of Moon Phases with Moon Balls	<p>Engage in a hands-on activity that models the moon phases by using your head as the Earth. This kinesthetic approach is an effective way to deepen students' understanding of moon phases and clear up common misconceptions. (NOTE: This session may be done outside if the weather cooperates.)</p>
1:55 – 2:40 pm	SC406	Karrie Berglund	Tackling Difficult Questions	<p>We have probably all received questions or comments that render us speechless. These may be questions/comments that are completely off topic, are emotional to us or to the asker, or that we just are uncertain how to answer correctly. In this session, we will generate a list of commonly received difficult questions/comments, and we will share ideas for responding to them.</p>
2:40 - 3pm	SC406	Karrie Berglund	Wrap up	<p>After an action-packed three days, let's hear your reflections.</p>
3 – ~ 4 pm	<p>If you're available, please help our hosts clean up and re-organize their materials. Many hands make light work, as they say...</p>			