

**Lowell Observatory Navajo-Hopi Astronomy Outreach Program
Workshop for Teachers
November 17-18, 2016**

FINAL AGENDA

In Steele Visitor Center at Lowell Observatory in Flagstaff, AZ

Thursday, November 17, 2016

Noon	Welcome (Deidre Hunter)
12:15 pm	Introductions and Lunch
1:30 pm	<i>Classroom activity:</i> The Black Box (Kelly Ferguson)
2:00 pm	<i>Panel Discussion:</i> The Nature of Science
2:30 pm	SlipherVision: An overview of Astronomy (Samantha Gorney)
3:15 pm	<i>Classroom activity:</i> Venus Topography Boxes: Part 1 (Joey Chatelain)
3:30 pm	Coffee Break
3:45 pm	<i>Classroom activity:</i> Craters (Michael Mommert)
4:45 pm	Hopi Cultural Connections (Alethia Crawford)
5:45 pm	Leave for dinner
6:00 pm	Group Dinner at Salsa Brava (2220 E Route 66)
7:30 pm	Observing the Night Sky (using planispheres and telescopes) (Travis Brown)
8:00 pm	Viewing through Clark telescope (weather permitting); Exhibit Hall in the Visitor Center

Friday, November 18, 2016

8:30 am	Project Based Learning Curriculum Development (Todd Gonzales)
9:00 am	Introduction to “The Universe at Your Fingertips” (Deidre Hunter)
9:15 am	<i>Classroom activity:</i> The Reasons for the Seasons (Alma Ruiz Velasco)
10:15 am	Coffee Break
10:30 am	<i>Classroom activity:</i> Moon phases and motions (Deidre Hunter)
11:30 am	Stellarium and other resources (Joey Chatelain)
11:45 am	<i>Classroom activity:</i> Venus Topography Boxes: Part 2 (Joey Chatelain)
12:30 pm	Lunch at Lowell, optional NAU AIMER trailer tour
1:15 pm	Navajo Cultural Connections (Alethia Crawford)
2:15 pm	<i>Classroom activity:</i> Scale Model of the Solar System and Characteristics of the Planets (Will Grundy)
3:15 pm	Coffee Break
3:30 pm	<i>Classroom activity:</i> Egg Drop (Alethia Crawford)
4:30 pm	<i>A favorite activity:</i> Designing an edible rover (Alethia Crawford)
4:45 pm	<i>Talk:</i> New Horizons and Pluto (Will Grundy)
5:30 pm	Evaluation Forms and Telescope Raffle
6:00 pm	End