

# A New Perspective at 14,000 ft

Keith Starr  
KIPP Pride High  
Gaston, NC  
Physics Teacher



# A Historic Year

*Peering through his  
telescope, what would he  
see?*

*Four “stars” near Jupiter  
there seem to be,*

*Faint and slowly moving  
from night to night.*

*Orbiting moons are these  
points of light!*



# My Intentions



- Why do so many people connect with astronomy?
- How can astronomy act as a gateway into physics?
- Celebrate the IYA!

# Why Mauna Kea?

- 13,796 ft
- Dry Air, Cloud – Free, Dark Skies
- Latitude
- Hawaii



# The Process

- Interview visitors, volunteers, astronomers, etc.
- Visit 'Imiloa Astronomy Center
- Hike the Summit
- Photoastronomy



# Interviews and Conversations



- Visitor Information Center holds nightly observing sessions open to the public.
- Chance to observe while talking with public.

# 'Imiloa Astronomy Center



- Learning about astronomy's scientific and cultural impact on the island.



# The Summit



- Hiked from VIS (9000 ft) to the summit peak (13,796 ft)
- 11 observatories representing 13 different countries
- Cool.





# Photoastronomy

- Ideal conditions
- Long exposures (star trails)
- Multiple shots compiled into one picture



# What did I gain?



- “Where are we?”
- “How did we get here?”
- “Are we alone?”
- Astronomy is cool.

# The Outcomes

- Class investment
- Astrophysics Unit
- Astronomy Club



# Mahalo!

