



Exiting Spring 2016 NIFS Internship Presentation

Jessica Hathaway

Abstract Overview

- Learned content of two of the most popular DLN™ modules
 - Our Magnificent Sun
 - Our Planet Earth
- Researched different studio equipment
- **Keywords:** *tricaster, science, technology, engineering, mathematics, STEM, sun, Earth, NASA, Digital Learning Network™ (DLN)*

Organizing the Studio Closet



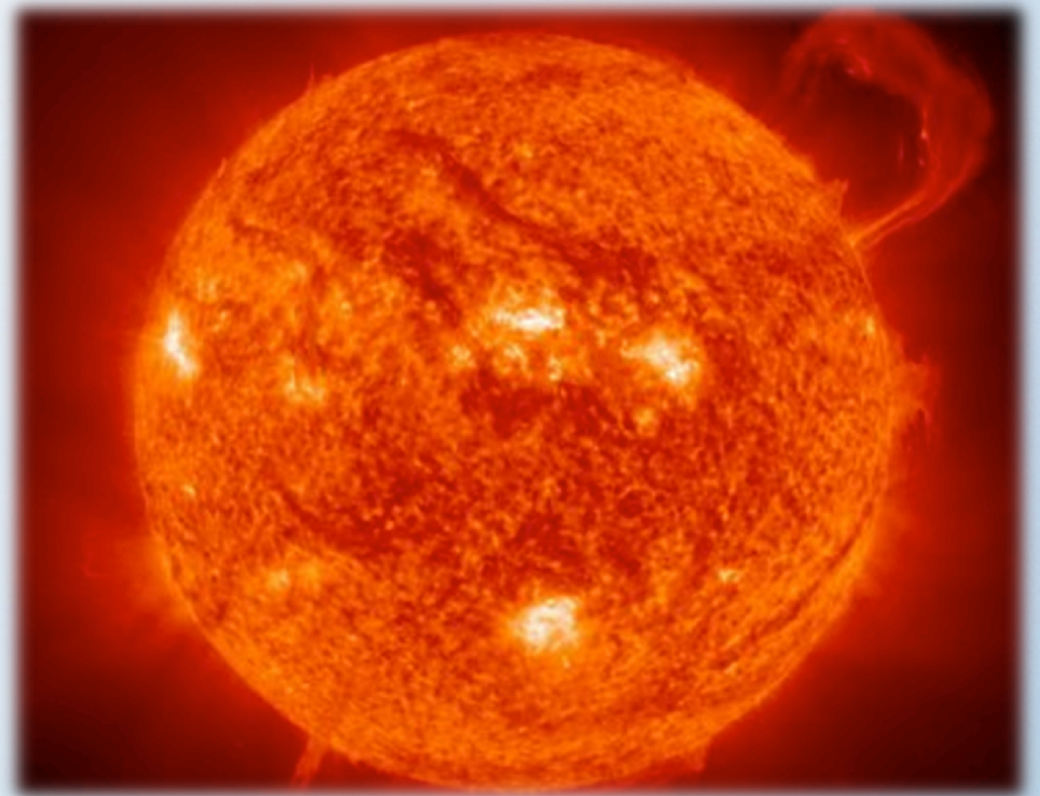
- Researched studio equipment
- Learned about different technology

Tandem Teaching and Lurking of the Top Ten Modules

Our Planet Earth



Our Magnificent Sun



DLN™ Module Chart

DLN™ Modules

Name of Module	Host	Date	Assisted?
Our Planet Earth	Caryn Smith-Long	1/27/2016	no
Our Planet Earth	Caryn Smith-Long	2/9/2016	no
Our Planet Earth	Caryn Smith-Long	2/24/2016	yes
Our Solar Neighborhood	Roger Storm	3/7/2016	no
Our Magnificent Sun	Caryn Smith-Long	3/8/2016	no
Our Planet Earth	Rachel Power	3/9/2016	no
Our Planet Earth (am)	Caryn Smith-Long	3/14/2016	yes
Our Planet Earth (pm)	Caryn Smith-Long	3/14/2016	yes
States of Matter	Caryn Smith-Long	3/15/2016	no
Human in Space	Caryn Smith-Long	3/16/2016	no
Solar Neighborhood	Micheal Hare	3/18/2016	no
States of Matter	Caryn Smith-Long	3/22/2016	no
Our Solar Neighborhood	Caryn Smith-Long	4/6/2016	no
Our Magnificent Sun	Caryn Smith-Long	4/14/2016	no
Our Magnificent Sun	Caryn Smith-Long	4/20/2016	no

DLN™ Professional Development



African American History Day at Virginia Air and Space Center



- General public event
- 200 – 300 people present

Engineering Career Days



- Two day event at the Newport News Ship Building
- 300 students each day
- Student round table with Junior and Senior High School students
- Engineering Design Challenge “Build a capsule to protect a spacecraft”

NASA Day at ECSU



- 300 students
- Middle school to college level students
- ECSU presentations included a virtual connection with Caryn through the LaRC DLN™

Motivational Speakers



Facility Tours at LaRC



- Hanger
- 14x22 Foot Subsonic Tunnel
- Sonic Boom Simulation
- Supersonic/Hypersonic Wind Tunnel
- Live Broadcast from the ARRM Facility to NNPS

Tour in the Hangar



- Building 1244
- 85,200 square feet of open hangar space

Tour of the 14x22 Foot Subsonic Tunnel



- Building 1212c
- Lead Frank Quinto

Sonic Boom Simulation



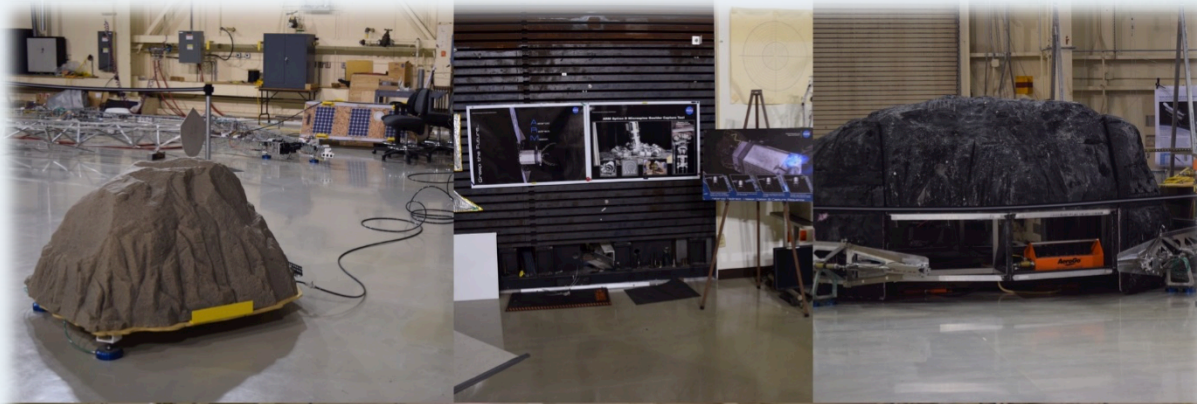
- Building 1208
- Lead Jonathan Rathsam
- Subjective reaction to sonic boom noise in a controlled environment

Supersonic/Hypersonic Wind Tunnels



- Building 1251A
- Tour lead Ms. Karen Berger

Live Broadcast from the ARRM Facility to NNPS



- Building 1293A
- Lead Scott Belbin



What I learned?



Acknowledgements

- NASA LaRC
- NIFs Program
- Dr. Caryn Smith-Long
- Dr. Gamaliel “Dan” Cherry
- Office of Education

Questions?

