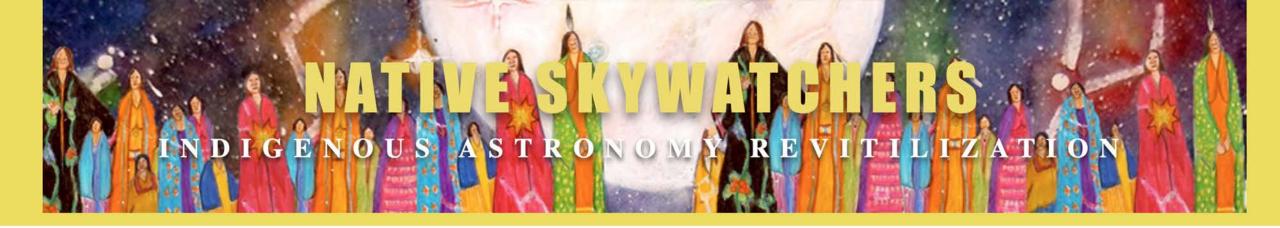
Two-Eyed Seeing: Navajo Diné Astronomy January 29, 2021 9-10 am PDT

Join us for an exciting session on Navajo (Diné) little known ancient astronomy! Learn how the Coyote created chaos as the Holy Beings were naming the stars. See how Navajo star knowledge is still used today, and what is the Navajo protocol for telling stories of the sky.

Produced by Indigenous Education Institute.

with
David Begay, PhD
Nancy C. Maryboy, PhD
Wilphina Becenti, M.Ed.
Albert Brent Chase
Sarah Margoles, MS, M. Ed
Ashley Teren, M.Ed.
Tom Tomas, M. Ed.
Vikki Tomas, M.Ed.
Annette S. Lee, PhD



Two Eyed Seeing - NASA & Indigenous Astronomy - For the Benefit of All

As described by Mi'kmaw elders: Etuaptmumk

Two-Eyed Seeing is learning to see from one eye with the strengths of Indigenous knowledges and ways of knowing, and from the other eye with the strengths of Western knowledges and ways of knowing, and to use both these eyes for the benefit of all. (Bartlett, Marshall and Marshall 2012, 336)

Join us!...For this eight month project that weaves together Indigenous Astronomy and NASA content in a way that will engage K-12 learners to participate in science and culture. Seven seasonal live (virtual) events will be produced and delivered each month Oct. 2020 to April 2021. Funded by NASA - Next Gen STEM, focus: Moon to Mars & STEM on Station.

Schedule of Upcoming Live Shows for this Project:









December 17, 2020

from 6:30-7:30 pm pst =8:30-9:30 pm cst



Two Eyed Seeing: NAVAJO-DINE Astronomy & NASA Moon 2 Mars

January 29, 2021

9 am PST, 10 am MST

Register



Two Eyed Seeing: AFRICAN Indigenous Astronomy & NASA Moon 2 Mars

February 2021

TBA

Coming soon...

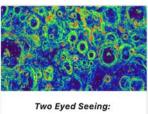


Two Eyed Seeing: HAWAIIAN Indigenous Astronomy & NASA Moon 2 Mars

March 2021

TBA

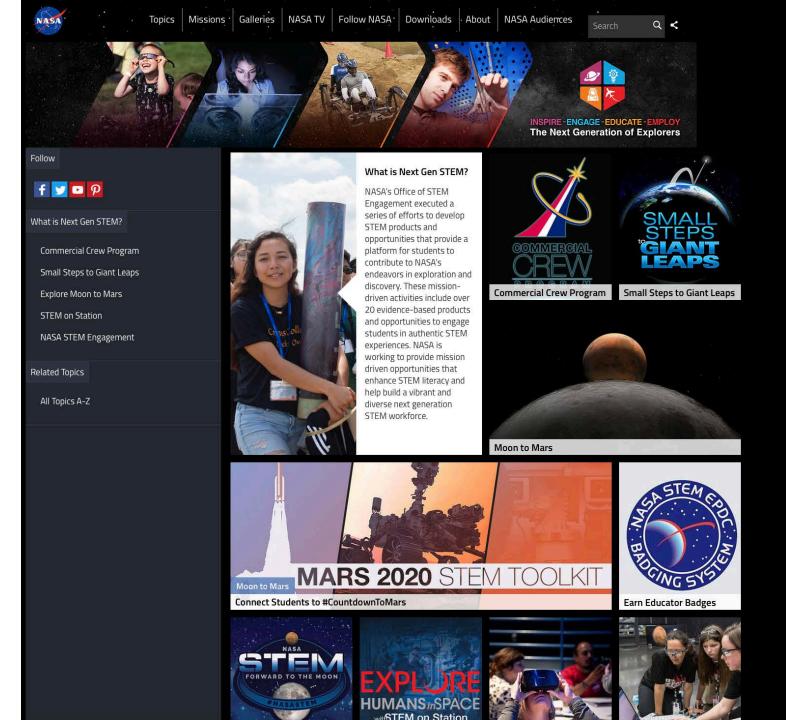
Coming soon..



Two Eyed Seeing: STEAM, Indigenous Astronomy & NASA Moon 2 Mars April 2021

TBA

Coming soon...



Funded by: NASA Next GEN STEM with focus on Moon to Mars & STEM on Station

Introduction & Welcome





Annette S. Lee

Nancy Maryboy

David Begay

I. Brent Albert Chase - Mr. Chase



II. Wilphina Becenti - Ms. Becenti

Little Singer Community School





"Hooghan Haz'áagi, K'é biníkáágóne', Ólta' beehółdzi

Home Teachings, through Kinship, makes Education Strong



III. Mr. Tom Tomas - Student Research Projects.

K'é

Sun,Moon,Mother Earth,Self and Shadow Relationships

by Donte Dokey



How astrobiology fascinates me

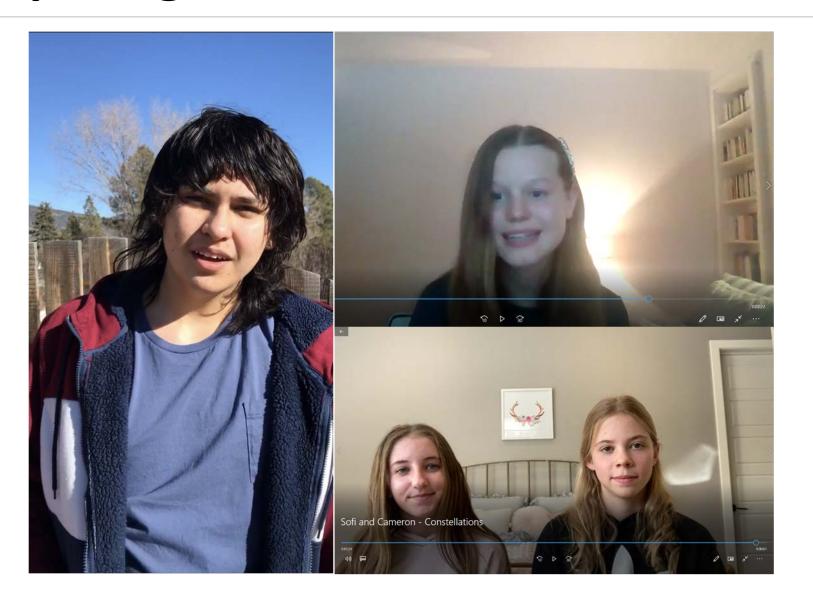
Astrobiology fascinates me because it gives me the opportunity to learn about planets and space.

Astrobiology also fascinates because astronauts go to space to sacrifice their lives to study space for us to know more about our universe and if there is any way a person can live on one of the planets in our solar system.

This picture represents a project NASA did on astrobiology about the journey to mars. It also shows the rovers and robots they sent to mars over the years.



IV. Sarah Margoles – Ms. Margoles -Comparing Constellations & Creation Stories





VI. David Begay - Milky Way





V. Nancy Maryboy - Thunderbird



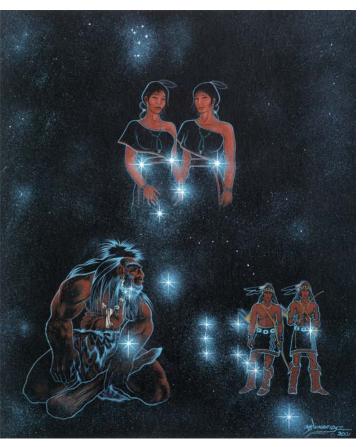


V. Nancy Maryboy - Bear



V. Nancy - Sun

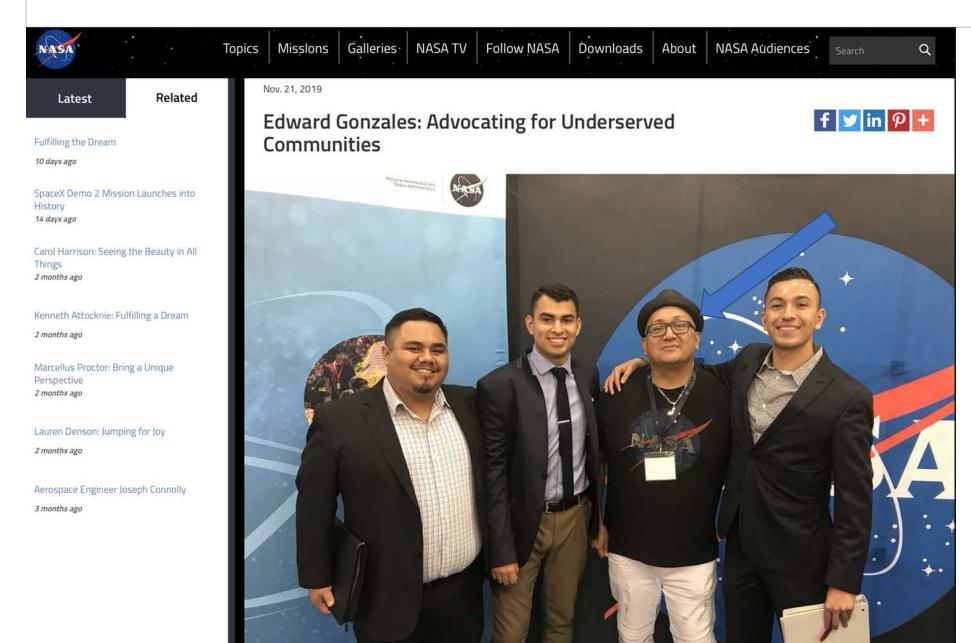








VII. Eddie Gonzales – NASA



Q & A

Ahxéhee' - Thank you!



Ashley C Teren, M.

INDIGENOUS

EDUCATION

INSTITUTE

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Little Singer Co first learn the Clanship is the ! ing self-identity, Diné language used to make c vocabulary and are established, their awareness Mother Earth Father Sky -Nihi

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ment and scientific discoveries. For the last 20 years, humans have continuously lived and worked aboard the International Space Station 250 miles above Earth, preparing for the day we move farther into the solar system. Sending human explorers 250,000 miles to the Moon, then 140 million miles to Mars, requires a bold vision, effective program management, funding for modern systems development and mission operations, and support from all corners of our great nation as well as our partners across the alobe...."

Ref - https://www.nasa.gov/specials/artemis/ and https://www.nasa.gov/ sites/default/files/atoms/files/artemis plan-20200921.pdf







www.nasa.gov/specials/artemis/

Springs on the Na Page 22





www.nativeskywatchers.org

Educator Materials & Resources:

- Booklet featuring Navajo (Dine) Astronomy & NASA Moon to Mars content | Coming Soon
- Slides supplement to the Live Show & NASA Moon to Mars content | Coming Soon
- Event Flyer | View
- Worksheet (to accompany the Live show) | View & Download
- Activity (for later) | View & Download
- Recording of Live Event (will be posted ~week after the event) | Coming Soon



Projects

Resources

Workshops

Events

Contact

About

Schedule of Upcoming Live Shows for this Project:



Two Eyed Seeing:

Ojibwe Astronomy & NASA Moon to Mars

Friday, October 23, 2020

from 10-11 am cdt

View

More Info



Two Eyed Seeing:

D(L)akota Astronomy & NASA Moon to Mars

Friday, November 13, 2020

from 10 am - 11 am cst

More Info

View



Two Eyed Seeing:

Mayan Astronomy & NASA Moon to Mars

December 17, 2020

from 6:30-7:30 pm pst =8:30-9:30 pm cst

View



Two Eyed Seeing:

NAVAJO (Dine) Astronomy & NASA Moon to Mars

January 2021

9 am PST, 10 am MST

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AFRICAN Indigenous Astronomy & NASA Moon 2 Mars

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Coming soon...



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