

October 21, 2021

VIRTUAL FAMILY MAKER NIGHT



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Welcome to Family Maker Night!

We will start at 5:30pm with our first presentation.

Please open the HCOE Family Maker Night Website for information on tonight's meeting while you wait.

<https://hcoe.org/family-maker-night/>

Get your Zoom Room set up.

Set up your view (top right corner). We recommend "Side-by-Side Speaker view"

Your mic will remain muted and please keep your camera off - direct questions to the chat

Configure su salón de Zoom. Elija su "Canal" de interpretación: inglés o español (el "icono del mundo" en la parte inferior)
Configure su vista (esquina superior derecha). Recomendando "vista de orador" Tu micrófono permanecerá silenciado y mantén la cámara apagada.



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Land Acknowledgement

Pathmakers serves students in the unceded territories of the Yurok, Hupa, Karuk, and Wiyot Nations. Blue Lake Rancheria is within traditional Wiyot land. I am presenting from Jaroujiji (*Eureka*), which is also on traditional Wiyot Land. We at Pathmakers believe that land acknowledgments without action are merely performative, so we will provide you all with webpages and social media pages to follow.



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Tonight's Presentation Schedule:

5:15 – 5:30 | Login and Get Comfortable

5:30 – 6:00 | What is Traditional Ecological Knowledge (TEK)? – hosted by Merry Kate Lowry

6:00 – 6:30 | MakeSpace Activity
hosted by Elizabeth Warren, Toddy Thomas Excel



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Meet the Pathmakers Team



Marlee Chavez



Kate Lowry



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Pages to follow:



Follow your school's Indian Education Facebook Page!



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[World Health Organization](#)

Presentation 1: What is Traditional Ecological Knowledge?



Hosted by
Merry Kate
Lowry:
*Pathmakers
Lead Teacher +
Curriculum
Coach for Blue
Lake Rancheria
Tribe*

mlowry@bluelakerancheria-nsn.gov



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NATIVE S.T.E.A.M.



SCIENCE





TECHNOLOGY



ENGINEERING





MATH



TRADITIONAL
ECOLOGICAL
KNOWLEDGE IS...



Traditional Ecological
Knowledge & Place-based
Learning Communities,

Humboldt State University



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Hoore'mos

Animals



TEK



10



DR. SEAFHA RAMOS
Yurok/Karuk/Chicana - Born 1983

**Seafha is a
WILDLIFE
ECOLOGIST**

She studies animals
and their habitats
with a focus on
"TEK."



 **Traditional Ecological
Knowledge (TEK)** is
the environmental
relationship and
information held by
Indigenous peoples.

**Seafha
Says** "Work hard and
keep hope."

Seafha has used
genetics to study
the diets of bobcats
and other animals.



**Check your Family Maker Night
supply bag for a special edition
of these STEM Trading Cards.**

**We will be sharing more STEM
Trading Cards as the year goes on,
so make sure you pre-register for
our FMN events!**



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A special message from Dr. Seafa Ramos:



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Dos and Don'ts for Teaching TEK

Below is a list of guidelines to be used when teaching the Traditional Ecological Knowledge lessons, or about other aspects of Indigenous history and culture.

- DO respect Indigenous science and customs as equal to Western science and customs.
- DO realize that while there is no one agreed-upon term, we recommend using "Indigenous," "Native," "Native American," or "Native peoples," or use the tribe or nation name (here, Yurok Tribe).
- Do NOT (generally) use "Indian." While some Indigenous people prefer this term, it is often considered offensive.
- DO talk about Indigenous people in present tense, in this and other lessons (unless you are referring to historic events).

- DO assume Indigenous students are in your class and teach accordingly.*
- DO NOT single out Indigenous students, put them on the spot, or ask them to educate you or their peers.
- DO leave space for Indigenous students to express their views and experiences if they volunteer them.
- DO realize that, as with all communities, people in Indigenous communities have a variety of views. Indigenous students in your class may or may not connect with TEK, or other cultural elements described here.
- DO ensure students are treated with respect regardless of their knowledge of views on concepts being discussed here.

**You may be in an area with high or low numbers of Indigenous students. However, even if you believe your classroom to not have Indigenous students, consider that you might not know the cultural and ethnic backgrounds of all your students. It can feel uncomfortable to have people discussing your culture or a culture with similarities to yours if not done respectfully.*

Big Questions:

Who are some of our animals?

What is our responsibility to them?



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nepe'weeshneg

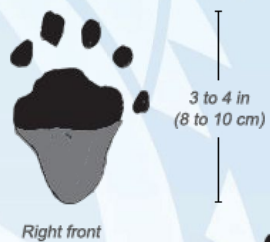
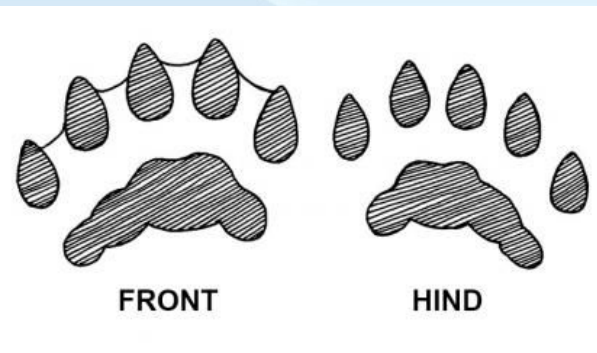


Otter

sraach'



Quiver made
of Otter hide



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Mey-weehl



Elk

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Meweehl • Roosevelt Elk

About the Elk

- Nocturnal, also active at dusk and dawn, and can make daytime appearances
- Consumer
- Travels in herds

Habitat

- Prairies
- Forested regions

Diet

- Grasses
- Herbs
- Woody plants



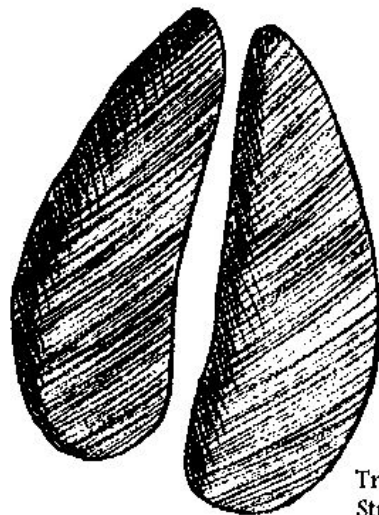
*Meweehl 'we-skoy mehl
hohkue' kue muenchoh*

The ceremonial dress is
made with elk hide

Illustrations by: Misty Jackson

STEMrovingCards.org

Elk



4 $\frac{3}{4}$ " L x 3" W

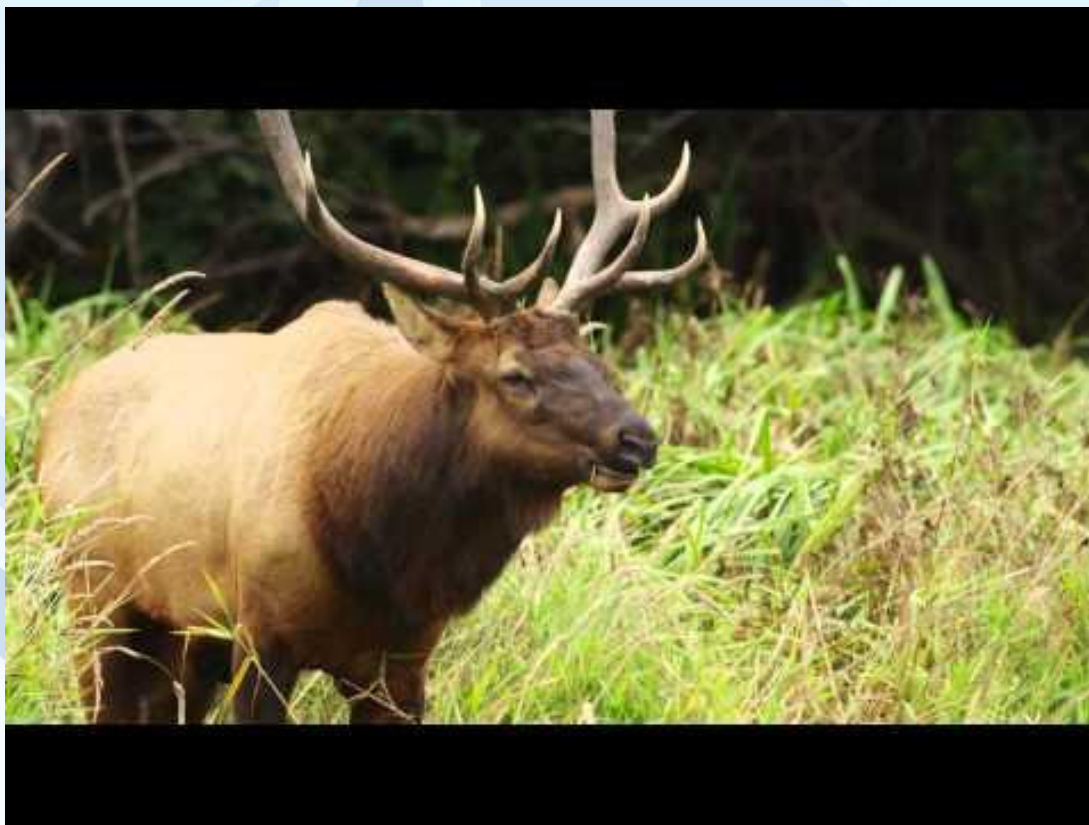
Trail width: 8"
Stride length: 26"-28"



Trail Pattern



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Presentation 2: MakerSpace Activity

Hosted by Elizabeth E. Warren: *Lead Teacher with Excel Program @ Toddy Thomas Middle School*



Feel free to come back to this slide when you have gathered your materials to make this fun activity!



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Thank You to our Presenters!
and Thank You ALL for attending this presentation!

You will be emailed a request to complete an evaluation of the event.
We hope you take the time to complete the evaluation,
as it really improves our system.

Recordings of tonight's presentation will soon be
uploaded to the Pathmakers Pages on the BLR and HCOE websites, please share!



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