## **Defining "Culturally Sustaining STEM"** through Research, Evaluation, & Practice

**About the Study:** This poster shares initial reflections and challenges in defining, implementing, and documenting impact arou culturally sustaining, informal STEM learning programs designed to engage families in rural communities.

**Project Goals:** Refine promising practices and expand the capaci informal science institutions and their partners to create culturally sustaining STEM (CSS) family programming that supports rural fami continued participation in STEM.



## How are <u>you</u> ....defining "culturally sustaining"? ....supporting these outcomes? ....defining these impacts? ....gathering feedback from family participants?



This material is based upon work supported by the National Science Foundation under Grant #2115488.



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nd	<b>A Research to Practice P</b> where research and evaluation informal STEM learning worksh	<b>Partnership (RPP):</b> This project v results inform the iterative developed on the second seco
ity of	<ul> <li>RPP include:</li> <li>A project leadership team of researchers, and evaluators</li> <li>Informal educators, STEM p science learning institutions</li> </ul>	programming and professional dev ; and rofessionals, and community partne located in rural American communit
V	<b>Where We Are</b>	What We're Continui

F	Project-level		
rofessional development we moved from a ical framing of culturally sustaining STEM more grounded conversations about what it in practice.	$\rightarrow$	How do we <b>understand</b> the in sustaining STEM while we are	
Ρ	Practitioner level		
oners have realized that strengthening nity partnerships in order to deeply connect iderstand, and invite in audiences is an nt first step toward laying the groundwork for ly sustaining STEM.	$\rightarrow$	How do we support practition culturally sustaining STEM wh narrative that there's one "rig	
	Family l	evel	
nd that family engagement in both traditional ience. engineering activities) and ditional (e.g. gardening, cooking) STEM s increased significantly after as compared to the program.	$\rightarrow$	How do we better <i>measure t</i> What counts as a STEM-relate relate STEM participation to o practices?	







was designed as a RPP ment of multi-day, s. Participants in the

elopment experts,

ers from 4 informal ties.

## ing To Think About

mpacts of culturally still refining what it means?

oners in *implementing* hile not reinforcing the ght" way?

the impacts on families? ted activity? And how do we culturally sustaining







Visitor Studies Associ