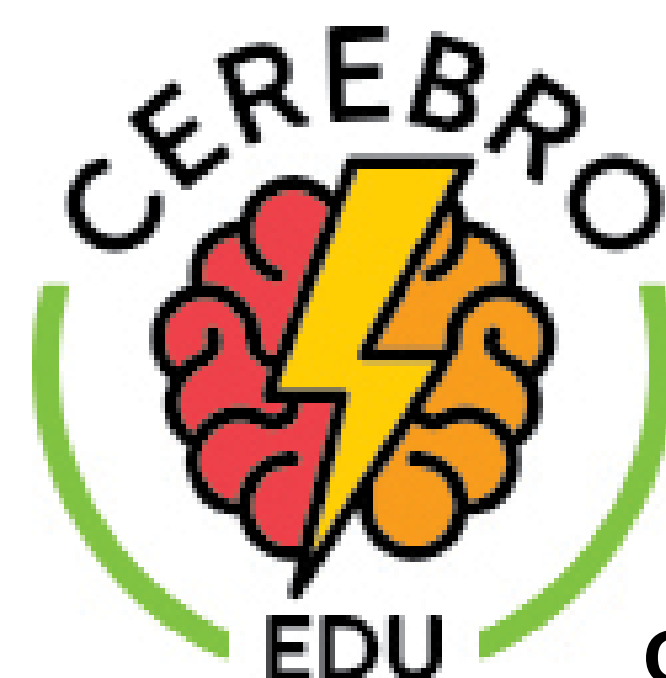


SHOWCASE VIDEO



CEREBROedu: Una Ventana al Cerebro BRAINEDu: A Window into the Brain

Award Number: R25OD023774

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ROLE MODEL VIDEOS



Project Goals

- **Empower** informal STEM educators to provide culturally responsive hands-on activities about the brain's structure and function to Latinx youth and families;
- **Increase knowledge** of diverse neuroscience-related career options and encourage Latinx youth to consider them as viable and exciting career paths; and
- **Increase awareness** of brain illnesses (Alzheimer's disease, depression and epilepsy), build awareness about mental health and encourage help-seeking behavior.

Curriculum

The best practice-based **CEREBROedu Educators' Guide** contains four modules:

- **Brain Structure:** How is the brain "built?" How and why do we study the brain?
- **Brain Connectivity:** What is anatomical connectivity? How does chemical and electrical communication occur?
- **Brain In Action:** What are neuronal circuits? How can we illustrate them?
- **Brain and Behavior:** How does our brain's activity influence our behavior (and vice versa)?

Each module contains neuroscience information and hands-on activities tailored for use in the informal education space.

[SEE FULL CURRICULUM HERE](#)



Family Guide

CEREBROedu invites family participation, celebrates culture and drives learning around neuroscience studies and career paths! The bilingual resources include:

- **Program rationale and description:** Why is learning about the brain important? What will youth learn, and how can parents support them?
- **Neuroscience Resources:** Four award-winning TPT PBS documentaries about Alzheimer's disease, epilepsy and depression will inform parents and caregivers about these common brain disorders, and offer guidance on seeking support.
- **Family Activities:** Hands-on activities spark at-home neuroscience learning and fun!

[CHECK OUT THE FAMILY GUIDE HERE](#)

Evaluation

Independent evaluator Dr. Valerie Knight Williams of Knight-Williams, Inc. is working with advisory board members, partner educators, youth and parents to conduct:

- **Front-end evaluation:** To inform TPT's planning and production of deliverables.
- **Formative evaluation:** To capture information around resource reach, implementation and impact.
- **Implementation evaluation:** To assess educators' feedback on program training, level of preparedness, and use of program resources. This evaluation is also assessing youth and family perceptions around program appeal, clarity, learning value and motivational impact.

Notable Findings

- Partner sites averaged 24 program hours with youth.
- Educators strongly agreed that they felt empowered to provide culturally responsive hands-on activities about the brain to Latinx youth and their families.
- Overall, youth and their families reported learning "a lot about the six main topics featured in the program."

What Educators are Saying

"The well thought-out resources and activities provided by CEREBROedu have empowered our site, participants, and families to be informed in neuroscience. We will continue to utilize these resources in future events."

"[Youth] were excited to come to camp each day, and really seemed inspired about the role models they saw. Our instructor loved the activities and the families gushed about how much the kids loved the program."

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TWIN
CITIES
PBS

Empowering Latinx youth and families to
explore the brain and neuroscience careers!
Learn more at www.cerebroedu.org

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