

COLLEGE OF

SCIENCE & ENGINEERING

DEPARTMENT OF COMPUTER SCIENCE

About The NaMe Project

NaMe aims to tell the story of meteorites that fell on Native Lands, acknowledging their cultural and scientific significance equally. To truly encapsulate the entire history of a meteorite, you must also understand the place in which it fell.



NaMe currently focuses on meteorites fallen on the lands of the Choctaw, Cherokee, and Chickasaw Nations in Oklahoma; but is expected to include other Nations in the future.

About Our Client

Native Earth Native Sky(NENS) is a \$3.3 million cooperative agreement between the Oklahoma State University and NASA through NASA's Science Activation Program.*

Dr. Rhiannon Mayne— curator of the Monnig Meteorite Gallery at TCU— received grant funding from NENS to implement a place-based learning platform for Native American youth to learn about meteorites.

* https://education.okstate.edu/research/centers/native-earth-native-sky/



Native Meteorite (NaMe) Project: Map-Based STEM Learning

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The Goal

- Make an engaging, informational, respectful site for users.
- Create a functional map page which displays meteorite images and text on request for users. *Must be able to filter regions,* states, and Native American Nations represented in the project.
- Create a platform for information storage for K-12 learning links, documents, images

User-Conscious Development

Site Users

Map users range between of K-12, so it's important to have a friendly interface.



We used medicine wheel colors, a simple layout, and an interactive map to achieve this.

Administrator Login

We built a separate entry point for administrators to ensure the security of editing access to the site.

Hello Dr. Mayne									
		Emai	il address						
		Pass	word						
			Login						
– Pick	One			Mete					
				ADD A M					
	Coordinates	Name	Description	Lo					
-	[34,-95]	Soper	Mr T. J. Stockton of Soper, OK, sent a specimen to the Oklahoma Geological Survey on March 14, 1938. He had found the rock in Choctaw County and requested that the identify it for him. The original 3.7 kg stone is the only piece of this meteorite that has been discovered.						
	[34.1,-97]	Lake Murray	The Lake Murray meteorite was discovered on a farm in Oklahoma in 1933. This is a common location for meteorite discovery in this region as the constant turnover of the land exposes fresh material over time. Lake Murray is the largest iron meteorite ever discovered in Oklahoma.						
	[35,-97]	Amber	Mr. Van Long of Chickasaw, OK, found the Amber meteorite on a piece of land he was ploughing in the fall of 1955. He claimed he had actually found it a few years prior (in the 1930s), but had thrown it back down. In the years that followed, he read some articles about						

LOGO

Visit our site to read the meaning behind Deante' Moore's logo, created specially for this project.

Acknowledgements

Thank you to the incredible:

- Dr. Bingyang Wei, for leading us Instructor, Advisor
- **O** Dr. Rhiannon Mayne, for trusting us with your vision and giving us the opportunity to work on this project - *Client*
- **O Deante' Moore**, for his art and feedback Artist, Artistic Advisor
- **Korie Hawkins**, for her feedback *Visual Advisor*

Instructor: Dr. Binyang Wei

- Separate Login

Database Editing Private Tool

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klahoma, SA	Choctaw	Achondrite		Iron	Ungrouped	True	EDIT DELETE C구	
klahoma, SA	Chickasaw	Achondrite		Iron	IIIAB	True	EDIT DELETE C구	
klahoma, SA	Chickasaw	Chondrite	Ordinary	H-L- LL	L6	True	EDIT DELETE	







Learning is enhanced by meteorite images, information, and links to other resources to learn more.







Type: Chondrite **Class:** Ordinary Clan: H-L-LL Group: L6 Location: Oklahoma, USA Nation: Choctaw

A large fireball was seen across most of eastern Oklahoma on the evening of September 17, 1945; and the accompanying explosion led many to believe that an airplane was exploding in the sky.

However, local farmer Frank Morris witnessed the meteorite fall as he was returning from a hunting trip. Two pieces were recovered. Local meteorite collector Oscar Monnig proposed that it was possible that some small pieces had been eaten by chickens

