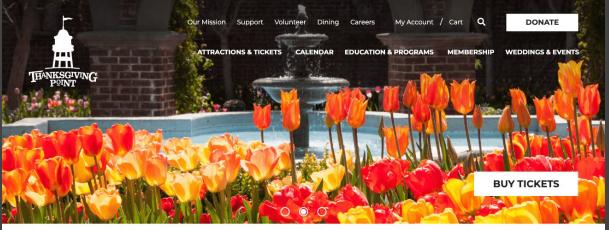
Necessity is the Mother of Invention

Barbara Punt, Punt Consulting Group

Lorie Millward, Thanksgiving Point Institute Tara Henderson, Explora Marvin Logan Jr., OH WOW! Peter Olson, WonderTrek



Tulip Festival

APRIL 7 - MAY 13



Beautiful Questions





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Turning Outward: Listening to Connect with Community

Making intentional choices based on community sharing: it will produce greater impact and relevance in the community.



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Atsin'tłísh Diilch'oshí

Di kwoda' t'éé igii cho'idił ííł:

- Natsǫdii bi'ol'dzol'ígi / (Jooł yitalí)
- Áałaa' a'dá t'eeigii na'a't'áíí ch'oi'l dilįį'. Agháá, Na'káá, Na'taa'ígii.

K'wé'ék'ad kwo'diiłiił:

- 1. Natsǫdii bi'ol'dzol'ígi bi'so'ł
- 2. Natsǫdii bi'ol'dzol'ígi ni tsii'ts'iin bídinee'yish
- 3. Natsǫdii bi'ol'dzol'ígi nighaan bídinee'yish

K'ad k'wo adilnii:

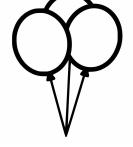
- Natsǫdii bi'ol'dzol'ígi na'at'aíí bídinee'yish.
- Natsǫdii bi'ol'dzol'ígi agháá bídinee'yish.
- Natsǫdii bi'ol'dzol'ígi na'káá bídinee'yish.
- Natsǫdii bi'ol'dzol'ígi na'taa'ígii bídinee'yish.
- Atsin'tlísh diilch'oshí laáíi eí kad naaltsos bé inid tsos.
- Ashįį' dóó be'íí'indii'áh.



Nanaa ía adóó ba'ntsiník'éés:

- 1. Natsǫdii bi'ol'dzol'ígi nakiigo ah'á ni'nineeł. Ha'doo níł?
- 2. Natsodii bi'ol'dzol'ígi éí naaltsos da't'stíí bii doljáá?
- 3. Ashįį' da't'stíí nidąą hónaa dóó?

Translated by Venaya Yazzie



Books to Read Together:

Fun with Static Electricity by Chocolate Tree Balloon Trees by Danna Smith Harvey Potter's Balloon Farm by Mark Buehner



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Includes all materials needed for activity + instructions and a walkthrough video

Closely aligned with learning standards

THE BLUE-SKY METHOD

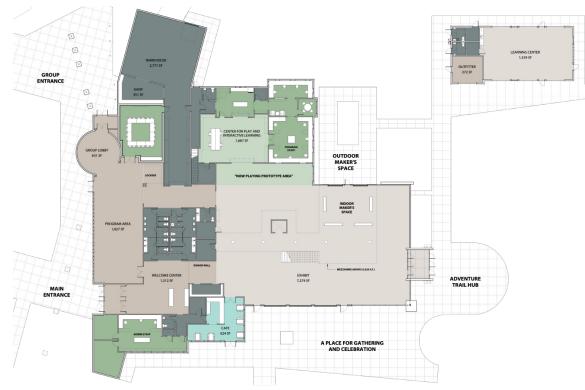
 How can we take immersive, interactive experiences in a mobile and accessible way?



EXPLORE PLAY LEARN

0

Strategic Master Plan CENTER FOR PLAY & INTERACTIVE LEARNING



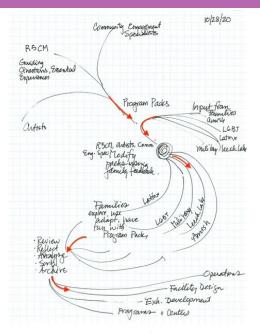
Play Resource

- Multi-dimensional
- Hands-on Materials
- Workshops
 - Museum Staff
 - Volunteers
 - Teachers
 - Administration
 - Caregivers

Learning from and with children and each other

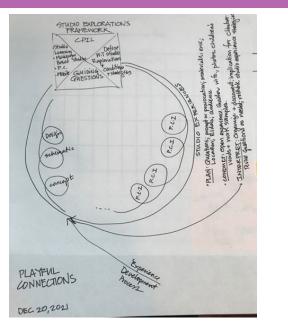


Advancing Through Engagement LEARNING FROM AND WITH CHILDREN



Grant 1, Playful Explorations, 10/28/2020

A visual sketch of the interconnections between different aspects of WonderTrek's early approach to programmatic development, eventually informing Studio Explorations



Grant 2, Playful Connections, 12/20/2021

Just over a year later, another visual sketch of the iterative, interconnected approach to programmatic development prior to drafting the Studio Explorations Framework

4 Year Progression Two x 2-year grants Build Capacity

- Project Team
- CPIL Framework
- Engage Audiences
 - Material Explorations
 - Inform Museum
 Development





YMCA PLAYDATE, OCTOBER 10, 2020

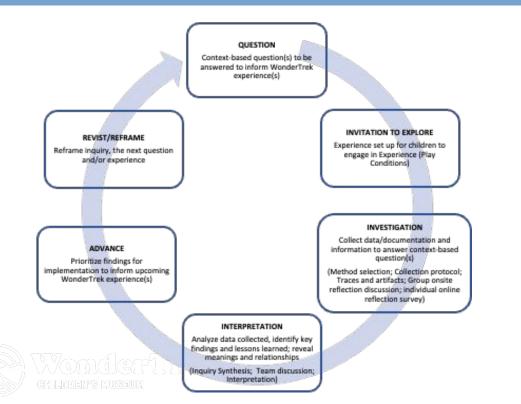
Question: What are some things in the natural world that children find fascinating?



STUDIO EXPLORATIONS FRAMEWORK

SE Framework: Children engage with materials, spaces, phenomena, or relationships to discover possibilities; and to take tools, objects, materials or ideas where their thoughts and imaginations need to go. These investigations are directed by the child with the adult as resource and co-researcher, rather than instructor.

WonderTrek Inquiry EXPLORE, DOCUMENT, & SHARE INSIGHTS



Combining practices:

- Prototyping
- Studio Learning
- Reggio documentation
- Team Based Inquiry
- Research-based practice

Starting with questions:

- Learn with, from, and about children
- Inform experience
 development
- Durable approach for others

The Studio Explorations Framework is available at: www.wondertrekmuseum.org/...



STUDIO EXPLORATION, JUNE 25, 2022



Question: How does adding different materials, Big Blue Blocks, fabrics, balls, & colored cards, throughout a Studio Exploration, invite and encourage children's narration of their play?



STUDIO EXPLORATIONS, MARCH 23, 2023



Question 1: What do we notice about children's play and exploration in a space with the new landscape feature? Question 2: What opportunities and challenges for movement and climbing do the ropes and notched boards present?



WTI QUESTION WORKSHEET

Working Question: What questions do we want to investigate?

This is important because... What persistent questions or projects does the Museum have this will address?

Invitation to Explore: Where and when will this take place? What are relevant Play Conditions? How will it be set up? How is the set-up responsive to the Question?

Documentation Methods: What are the ways in which children's activities and experiences will be documented: collect quotes? data will be collected.

Data Gatherers/Researchers/Documenters: Who will gather what information?

Timeline: What tasks and arrangements must be made for this Studio Exploration to be ready?

<u>Completed by</u>: All individuals who contributed to the worksheet.

WONDERTREK'S DEVELOPMENT & DESIGN TEAM

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WonderTrek

CHILDREN'S MUSEUM

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Traces of children's thinking and work invite discussion among the WTI team, children, parents, teachers, and partners

REFERENCES & FURTHER READING

For further reading on the practice of asking questions, visit Museum Notes by Jeanne Vergeront:

Because a Good Question is Hard to Find https://museumnotes.blogspot.com/2021/12/because-good-guestion-is-hard-to-find.html

How Can Museums Become Places Alive with Questions? https://museumnotes.blogspot.com/2016/07/how-can-museums-become-places-alive.html

2014 Resolution: Shiny Questions https://museumnotes.blogspot.com/2013/12/2014-resolution-shiny-guestions.html

For WonderTrek's *Studio Exploration Framework* and it's complete reference list, visit: www.wondertrekmuseum.org/

