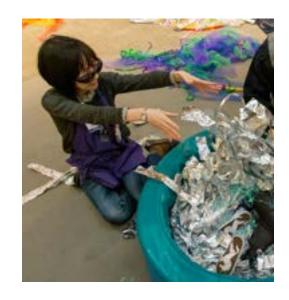


Follow the Child's Lead!

Open-ended Approaches in STEAM Programs

Who We Are





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What Is Boston Children's Museum?



- Informal learning
 - Children are encouraged to follow their passion and interests
- Serving children 0-10
- Adults are important Museum audience!



What Is Boston Children's Museum?





















Play is freely chosen, personally directed, intrinsically motivated, and enjoyable.

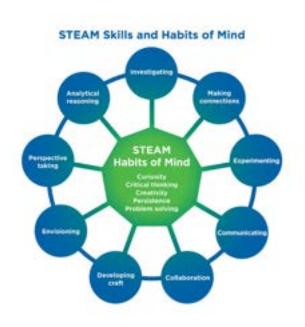
Exploration is a method of engaging with and understanding the physical, social, cultural, and emotional world through inquiry and examination of materials, objects, and phenomena.

Learning is an active, multi-sensory process that is directed by the learner.



How We See Development and Learning









Notice what children do. How do they learn and develop?

- Try different tools or methods
- Watch others. Then try what they observed
- Repeat and focus on the same task
- Make discoveries (maybe unexpectedly)
- Invite others to engage

Try It!: Preparation



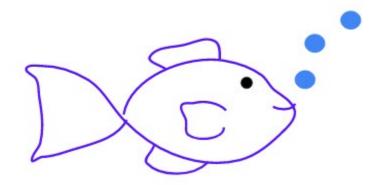
- Gather a few things from around you, such as paper, paper clips, binder clips, pen, post it notes, scissors, straw, spoon, figurine, etc.
 - Or a paper and writing implement to draw



Try It!



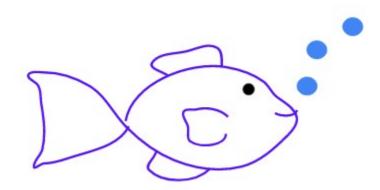
Make a playground for a fish



Notice What You Did:



- When you heard the prompt "make a playground for a fish" what did you think about first?
- As you were designing, what did you do or change?



Try It!



Examples from a visitor and staff:





Try It!



Examples from staff:









STEAM Sprouts - Cups!







- Open-ended activity with cups
 - Grown-ups: Notice what the child is trying to do playing with cups isn't not always about making a pyramid!
 - Different ways to explore cups - Nesting, rolling, tapping, throwing, or squishing

Design a Space Tool Activity



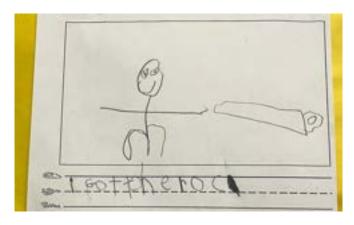
You are on a new planet!

Design a tool to pick up a rock from this new planet and drop it into the lab to be safely studied.











Put Together the Skeleton





- Put human bones on a table see what kids do with them!
 - Don't mention to put together a human skeleton
 - See opportunity in what a child does to talk about how a body works, instead of starting with telling children what to do.



Questions?

Thank you!