



Withering Technology

What can you do with it?



Hello! Good day! Hi!

Deana Brown

Library Learning Consultant,
Idaho Commission for Libraries
Boise, ID

deana.brown@libraries.idaho.gov



Gena Marker

Librarian,
Centennial High School
Meridian, ID

marker.gena@westada.org



History

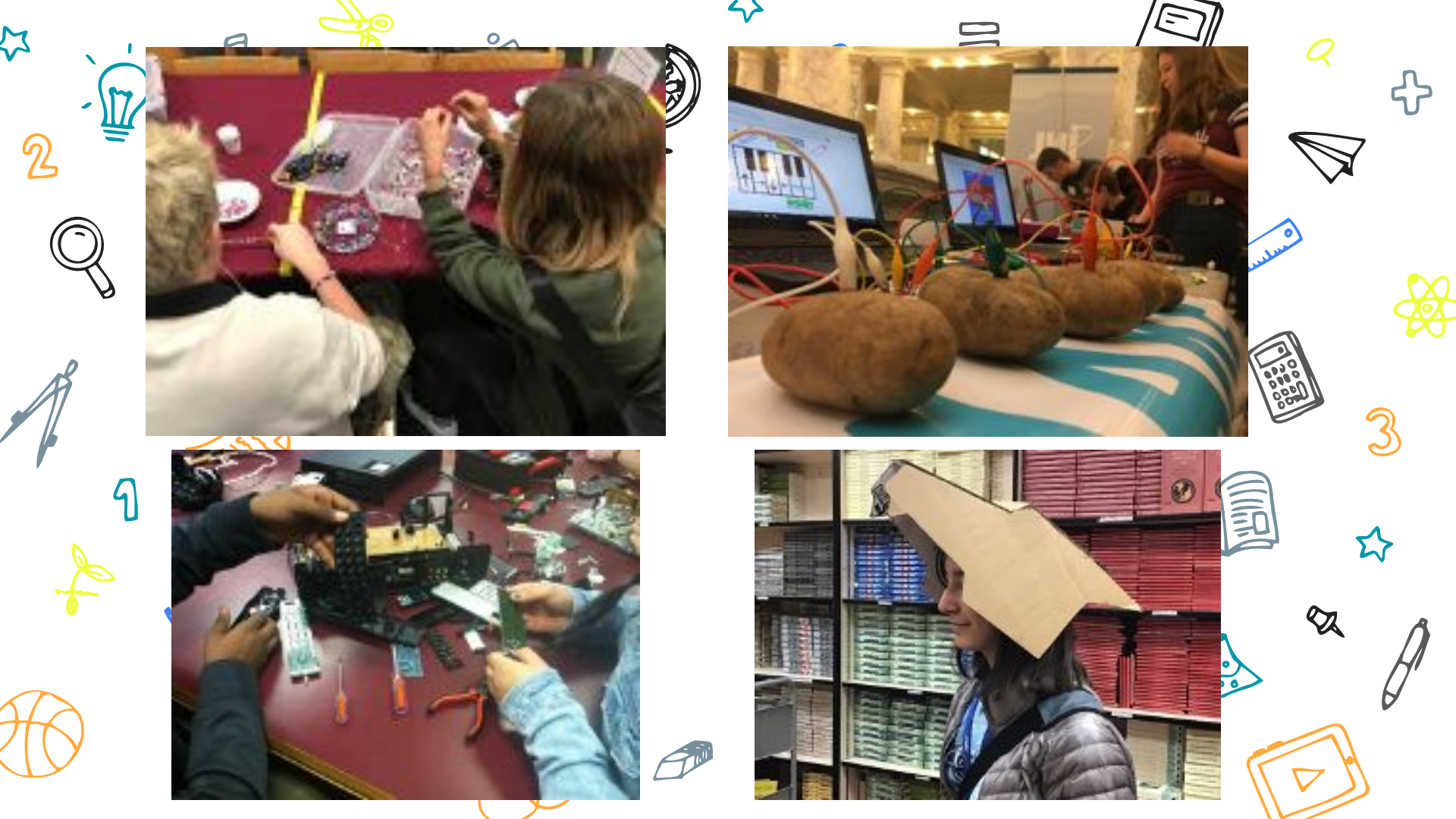
of the Make It at the Library program



Make It at the Library
libraries.idaho.gov/stem/make-it

History

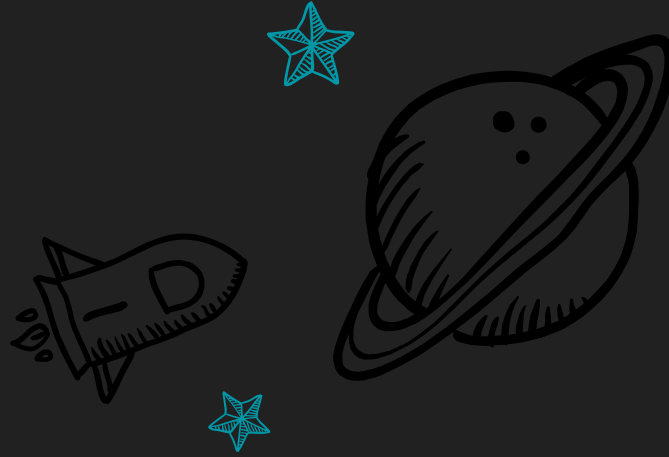
of Centennial High School's maker
programming





The problem

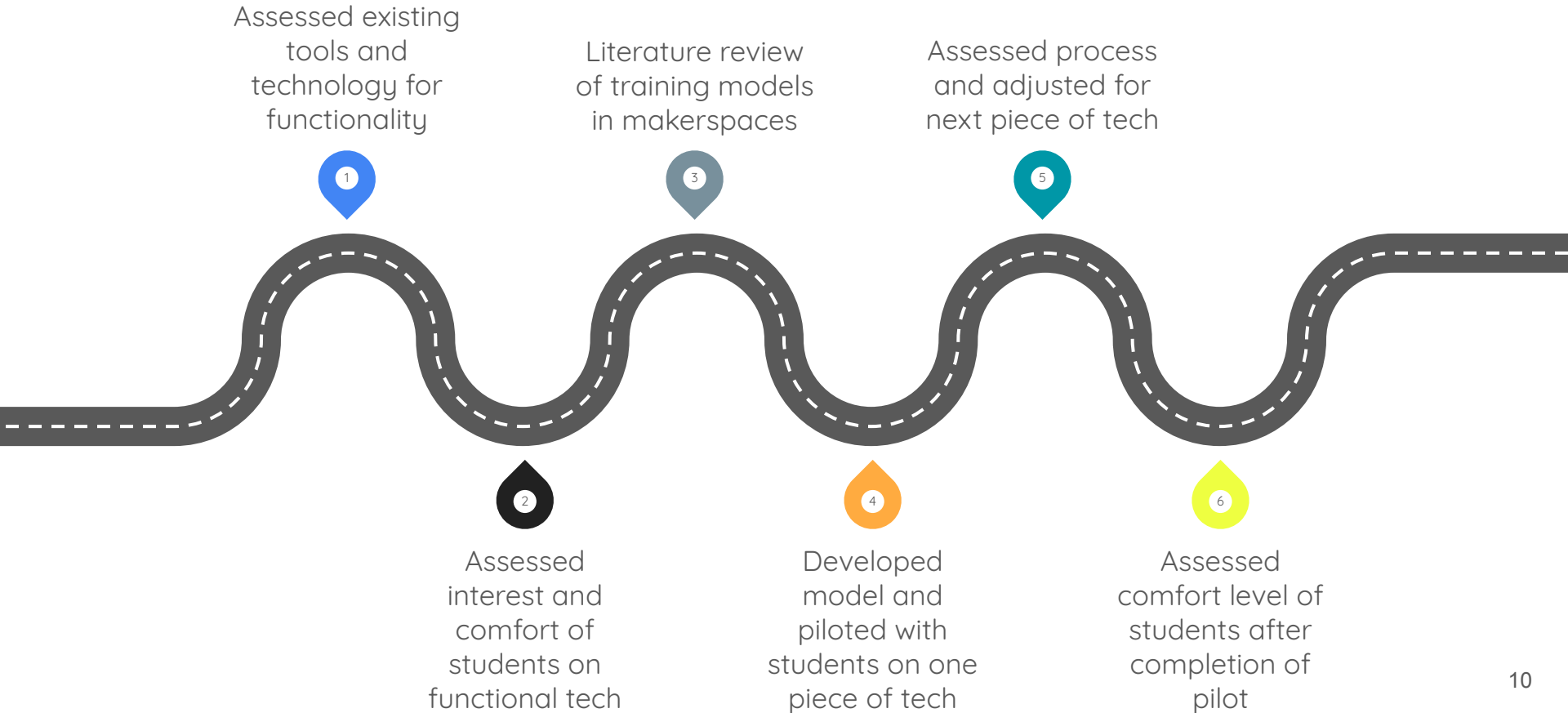
...and the project



What do I do with neglected tools?

It's already in the building, but all the champions have moved on to other things

What we did





What a training session looked like

- Assess interest & comfort level
- Demonstration
- Then have student take the lead
- Questions about interests
- Pass along knowledge
- Scaffold learning (learn software > download premade file > make thing > discuss design & future material choices)



What is your comfort level with...

	3D Printer	Cricut	Green Screen
Average in March 2022	1.73	2	2.6
Average in May 2022	8.73	7.8	NA
Average Difference	+7	+5.8	NA

What worked

...and didn't



Our conversational approach invited engagement from all students



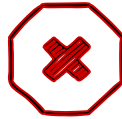
Small group or individualized attention allowed us to customize



Asking what students wanted to make ensured they were interested in learning the technology



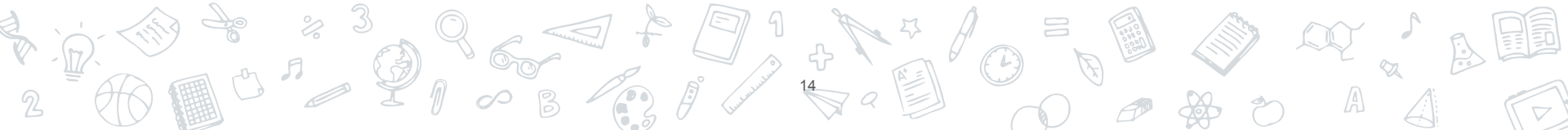
We ran out of time to do all the technology



No documentation for future knowledge transfer



Students weren't familiar enough with tech to have reasonable project expectations



Resources consulted

"Mindful makers: Question prompts to help guide young people's' critical technical practices in makerspaces in libraries, museums, and community-based youth organizations"

By Bowler and Champagne

[Mindful Makers Questions PDF](#)

"Competencies for Information Professionals in Learning Labs and Makerspaces"

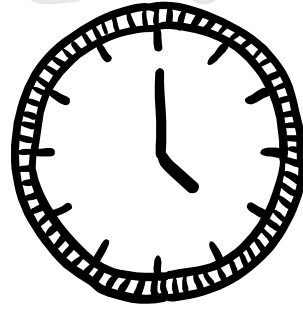
By Koh, Kyungwon, and Abbas, June.

Journal of Education for Library and Information Science, vol. 56, no. 2, 2015, pp. 114-129.

"Learning Practices of Making: Developing a Framework for Design."

By Wardrip, Peter, and Brahms, Lisa.
DC '15: Proceedings of the 14th International Conference on Interaction Design and Children. June 2015
Pages 375–378





Thank you for your time!

Any questions?

You can find us at deana.brown@libraries.idaho.gov &
marker.gena@westada.org