

Objectives by Content Type

Amanda Philbrick

Instructional Science and Technology, California State University, Monterey Bay

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Dr. Sheryl Hathaway

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These objectives are written for an imagined audience of Monterey Bay Aquarium (MBA) Innovation Lab staff members receiving training on how to run an Innovation Lab session while adhering to the tenets of Liberatory Design.

While my capstone project with the Innovation Lab does not entail training staff members on running lab sessions or applying Liberatory Design, my capstone course on Level 1 vinyl cutter use for the Lab aims to integrate their Liberatory Design philosophy.

Declarative Knowledge

From memory, Innovation Lab staff members will be able to state the three “drivers” of Liberatory Design with 100% accuracy (National Equity Project, n.d.).

Concepts

Given access to a job aid, Innovation Lab staff members will be able to classify ten example design scenarios as falling under the correct Liberatory Design mode (i.e., Notice, Reflect, See the System, Empathize, Define, Inquire, Imagine, Prototype, Try) with 80% accuracy (Anaissie et al., 2021).

Principles

Given access to the Liberatory Design Deck, Innovation Lab staff members will be able to predict the impact that identifying the source of fear in a presented design scenario can have. The explanatory prediction provided will specifically address the principle that, “If you identify the source of fear or discomfort, you will then be able to work through it and continue to design” (Anaiddie et al., 2021, p. 9).

Procedures

Given access to a checklist, Innovation Lab staff members will be able to set up the Innovation Lab classroom for an incoming class of twenty to thirty students. All necessary materials including the slide projector, whiteboard markers, tools, and handouts will be laid out in their designated locations.

Problem Solving

Given access to vinyl cutter manual, Innovation Lab staff members will be able to diagnose a commonly experienced problem within 15 minutes without supervisor assistance (i.e., The vinyl cutter blade is not cutting all the way through a piece of material).

Cognitive Strategies

Given access to the Liberatory Design Deck, Innovation Lab staff members will be able to elaborate on a provided Liberatory Design “mindset,” providing either a personal example or a metaphor that demonstrates their understanding of the principles that underlie that mindset (Anaissie et al., 2021).

Attitudes

Without prompting, Innovation Lab staff members will choose to introduce the Liberatory Design framework to their class within the first 30 minutes of the introductory session.

Psychomotor Skills

Given access to a checklist, Innovation Lab staff members will be able to set up the 3D printer for student use without needing to ask for assistance.

References

Anaissie, T., Cary, V., Clifford, D., Malarkey, T., & Wise, S. (2021, June) Liberatory design deck: Mindsets and modes to design for equity.

https://static1.squarespace.com/static/60380011d63f16013f7cc4c2/t/6070b8d5c800831d97d67ff0/1618000087869/Liberatory_Design_Deck_2021.pdf

National Equity Project. (n.d.) *Introduction to liberatory design*. National Equity Project.

Retrieved on June 30, 2022.

<https://www.nationalequityproject.org/frameworks/liberatory-design>