

My normal +1: Manageable microchanges that move us

Notes from the PowerPoint slides

Slide 8: Play-doh

- Image retrieved from <https://playdoh.hasbro.com/en-us>

Slide 9: Cell phones

- Image retrieved from <https://mountainstar.lcsd2.org/25641/features/cell-phones-helpful-or-hurtful/>

Slide 10: Murphy bed

- Image retrieved from <https://www.jossandmain.com/furniture/pdp/spellman-storage-murphy-bed-j000827149.html>

Slide 11: Great bubble barrier

- Image retrieved from <https://thegreatbubblebarrier.com/en/>

Slide 12: The fun theory

- Image still retrieved from <https://www.youtube.com/watch?reload=9&v=SByymar3bds>

Slide 13: Functional fixedness

- Image retrieved from <https://www.pngguru.com/free-transparent-background-png-clipart-rqbto/download>

Slide 14: Repurposing

- Image retrieved from <https://homebnc.com/best-diy-upcycled-trash-ideas/diy-upcycled-trash-ideas-featured-homebnc-v2/>

Slide 15: Strategies

Resources used during the session:

- Anthony McCaffrey's **Obscure Features Hypothesis**- Overcoming Functional Fixedness to Unlock Your Innovation Potential: https://www.canadaone.com/ezine/july_aug_2012/overcoming_functional_fixedness_in_innovation.html
- Sakichi Toyoda's **5-Whys Analysis**- 5 Why Analysis: <http://www.free-management-ebooks.com/news/5-why-analysis/>
- Edward de Bono's **Random Input**- Random Input: <https://creativeteach.me/creative-thinking-strategies/random-input/>
- Harvard's **Project Zero**- Project Zero's Thinking Routine Toolbox: <https://pz.harvard.edu/thinking-routines>
- Alex Osborn's **SCAMPER**- SCAMPER: <https://creativeteach.me/creative-thinking-strategies/scamper/>
- Shoji Shiba's **7 Step Problem Solving**- 7 Step Problem Solving: <http://zintegra.net/7-step-problem-solving/>

Other resources:

- **Overcoming Functional Fixedness**: <https://www.coloradocollege.edu/other/innovation/overcoming-functional-fixedness-fac.html>

- Umbrella icon retrieved from <https://thenounproject.com/term/weird/54845/>
- 5-whys image retrieved from <https://www.boxtheorygold.com/blog/try-the-5-whys-problem-solving-tool>
- Random icon retrieved from <https://thenounproject.com/term/random/603655/>
- Project Zero icon retrieved from <https://pz.harvard.edu/thinking-routines>
- SCAMPER image retrieved from <https://inspirometer.com/time-to-scamper/>
- Diagram icon retrieved from <https://pixabay.com/illustrations/diagram-icon-business-symbol-chart-2008478/>

Slide 16: In the classroom

Our strategy:

The gist: Prioritize small changes for a course assignment with lots of potential by taking a look at the tools, tasks, and interactions at each step of the assignment lifecycle: before (pre), during (peri), and after (post) submission.

1. Think about a **valuable task** in your course that **just isn't working** and note down **why**.
Now think of solutions using the **matrix**:
 - **Pre** (pacing, learning materials, learner-content interaction, learner-learner interaction...)
 - **Peri** (task resources, instructions, timeline, feedback/milestones...)
 - **Post** (learner-instructor interaction, call to action, turnaround time...)
2. You might find there are multiple items that need to be addressed- consider the following as you begin to prioritize which small change to implement first:
 - The one that might generate the highest yield
 - The one with the lowest prep (we're realistic! 😊)
 - The one with the most real-world/employability impact
 - The one that will act as a catalyst in solving other minor issues
 - The one that most closely addresses student questions/concerns/feedback
 - Etc.

Resources you might find helpful:

- **Identify Bottlenecks to Student Learning to Develop Improved Learning Strategies:**
<https://ctl.byu.edu/tip/identify-bottlenecks-student-learning-develop-improved-learning-strategies>

Slide 17: Approaching change

- The Change Cycle image retrieved from <https://changecycle.com/change-cycle/>

Slide 19: Managing change

- Knoster's model for managing complex change retrieved from <https://www.k-state.edu/hcs/docs/Knoster%20Model%20for%20Managing%20Complex%20Change.pdf>

Slide 20: Q&A

- Problem solution image retrieved from <https://pixabay.com/illustrations/problem-solution-help-support-3303396/>