Young Children as Program Co-Designers:

Using Design Thinking to Tackle Wicked Problems

Beth RousUniversity of Kentucky

Elizabeth Steed Barbara Smith University of Colorado - Denver

Handout for this session

http://dlab.us/decwicked2015

"Every problem interacts with other problems and is therefore part of a set of interrelated problems, a system of problems....

...I choose to call such a system a mess."

Ackoff, 1974

PART I

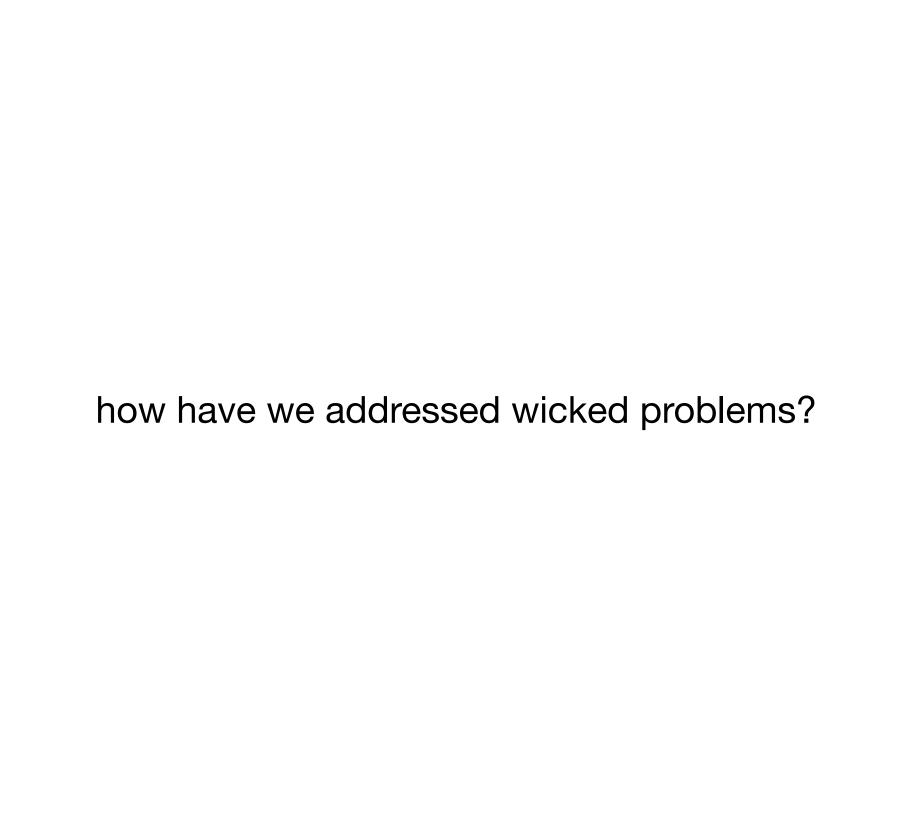
wicked problems

problems you can't understand until you try to solve it

problems that have solutions that aren't right or wrong

problems that are essentially unique and novel every time

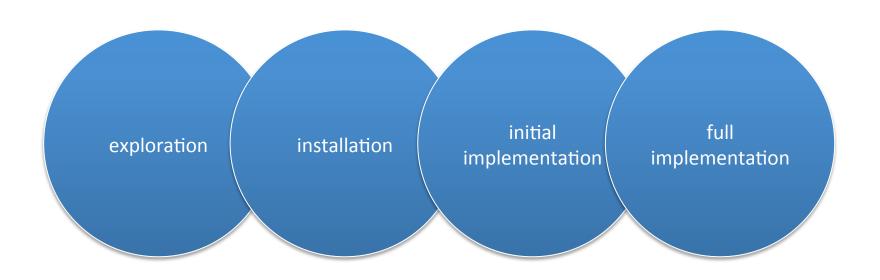
do you face problems like these?

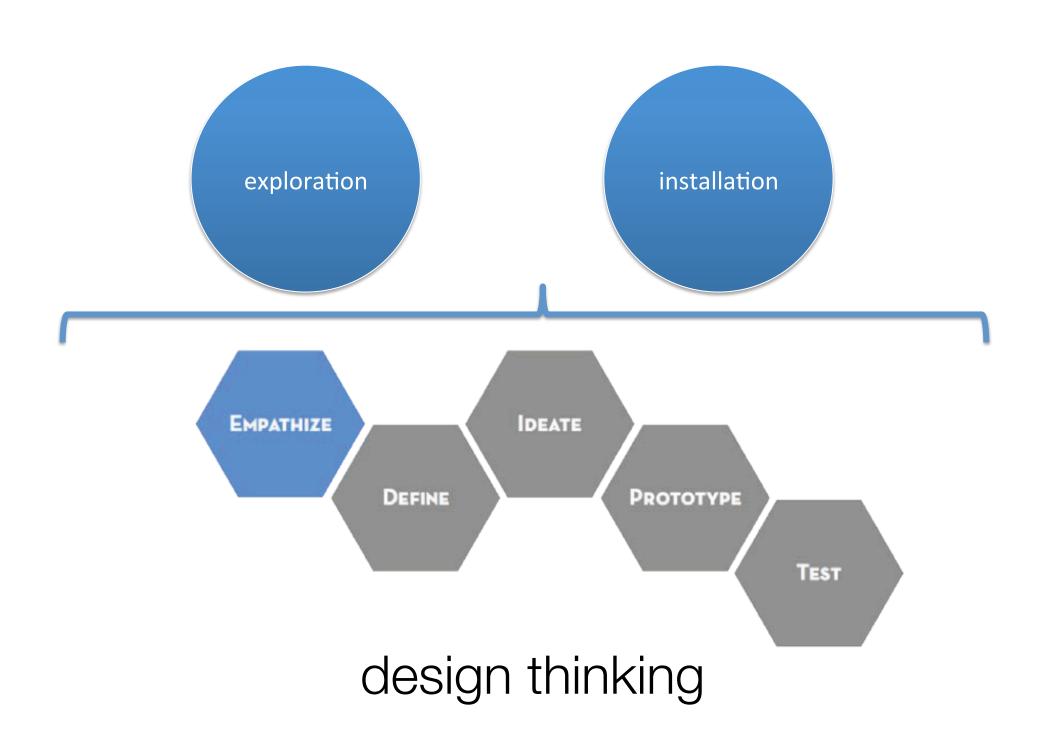


implementation science

NIRN, 2013

implementation science





design thinking

human centered design

early childhood settings

are filled with humans



HUMAN CENTERED



RADICAL
COLLABORATION

PART II

design thinking in action



Hox cap chil Coaching process look like chil Coaching process look like design thinkings regions?

Lena Secondary analysis geo-mapping documents



change

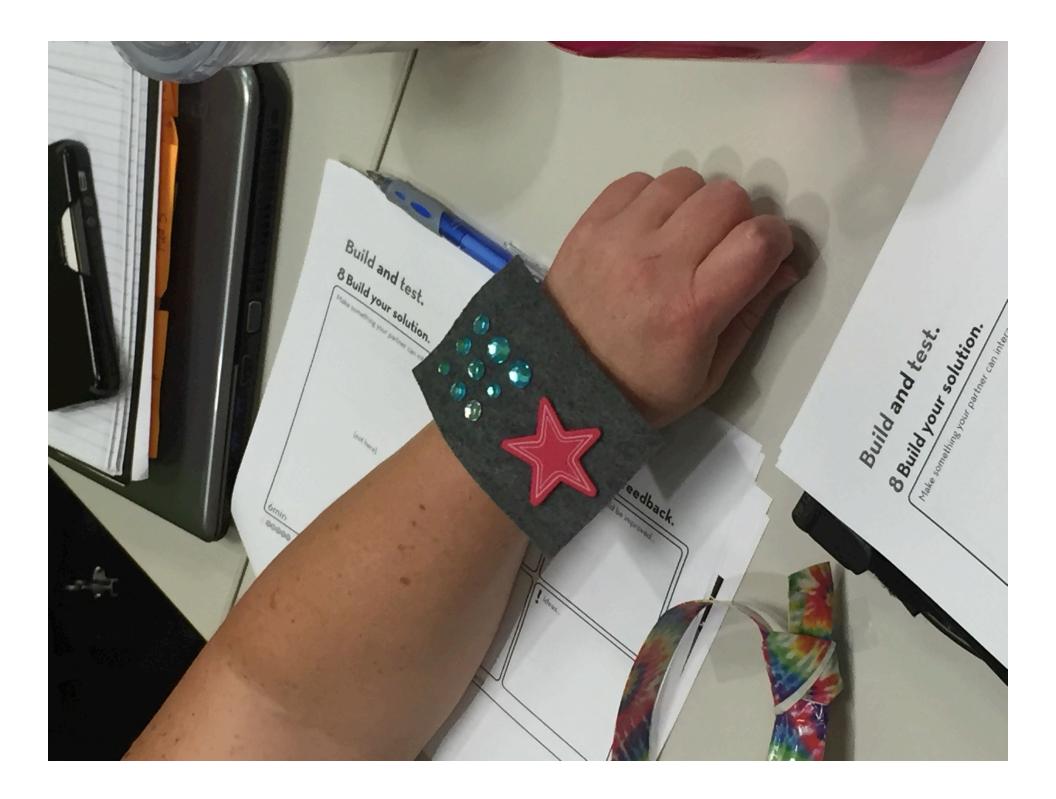
ing people's lives better

social justice honoring perspectives action research

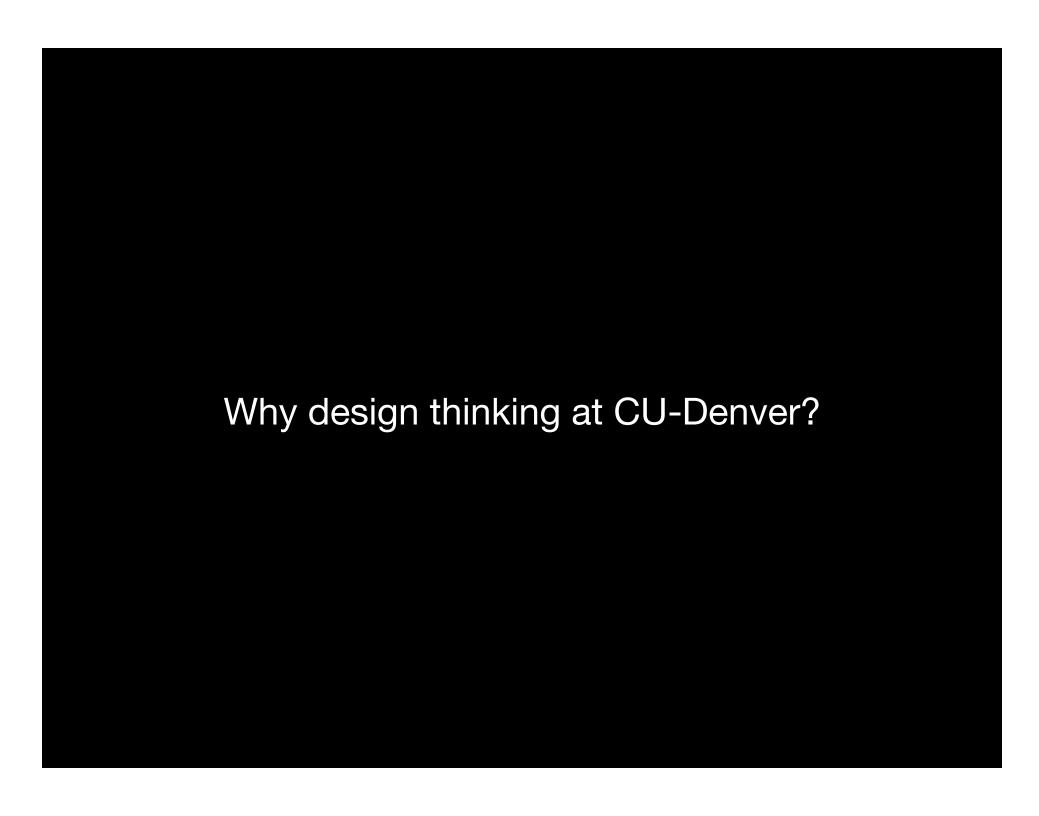


& family educator School community Collaboration educational actors









let's try it out

Whose Life?

Assume a beginner's mindset

Don't judge
Question everything
Be truly curious
Find patterns
Lose your agenda
What are they doing?
Why are they doing it that way?



Gerry

Age and Education-Stage: 5 years old, transitional kindergarten – could have attended regular kindergarten.

Family Situation: adopted; lives with 2 moms, younger brother (biological and adopted as well), 2 dogs.

Hobbies and Interests: Just started piano classes and seems to really enjoy them.

Key Values: Being liked by others, being valued and cared for. **Books**: He loves pretty much any book, loves to be read too! Creepy Carrots is a favorite! Loves books on CD or listening to stories on headphones.

Music: The GoNoodles website.

Personal Strengths and Personal Challenges Strengths: Social, Enjoys learning, affectionate, good sense of humor.

Challenges: Extremely Impulsive, Has a hard time sitting still, needs space, can be quick to anger.

Sources of pleasure: Loves playing with water! I think this is because he is an extreme sensory seeker and loves anything that is messy. If he doesn't have a cognitive piece to go with the messy play it can rev his engine up quickly!

Habit He Wants to Kick: Impulsivity...I think he would like to kick this because it sometimes causes issues with others and causes friends to not want to play with him. Gerry has such a need to be accepted that he gets disappointed when others voice a desire to not play with him.

PART III

discussion: walking in the shoes of children