C-Set: A Digital Craft Set

MAS.834 Tangible Interfaces

Wanli Cheng

Wanli Cheng

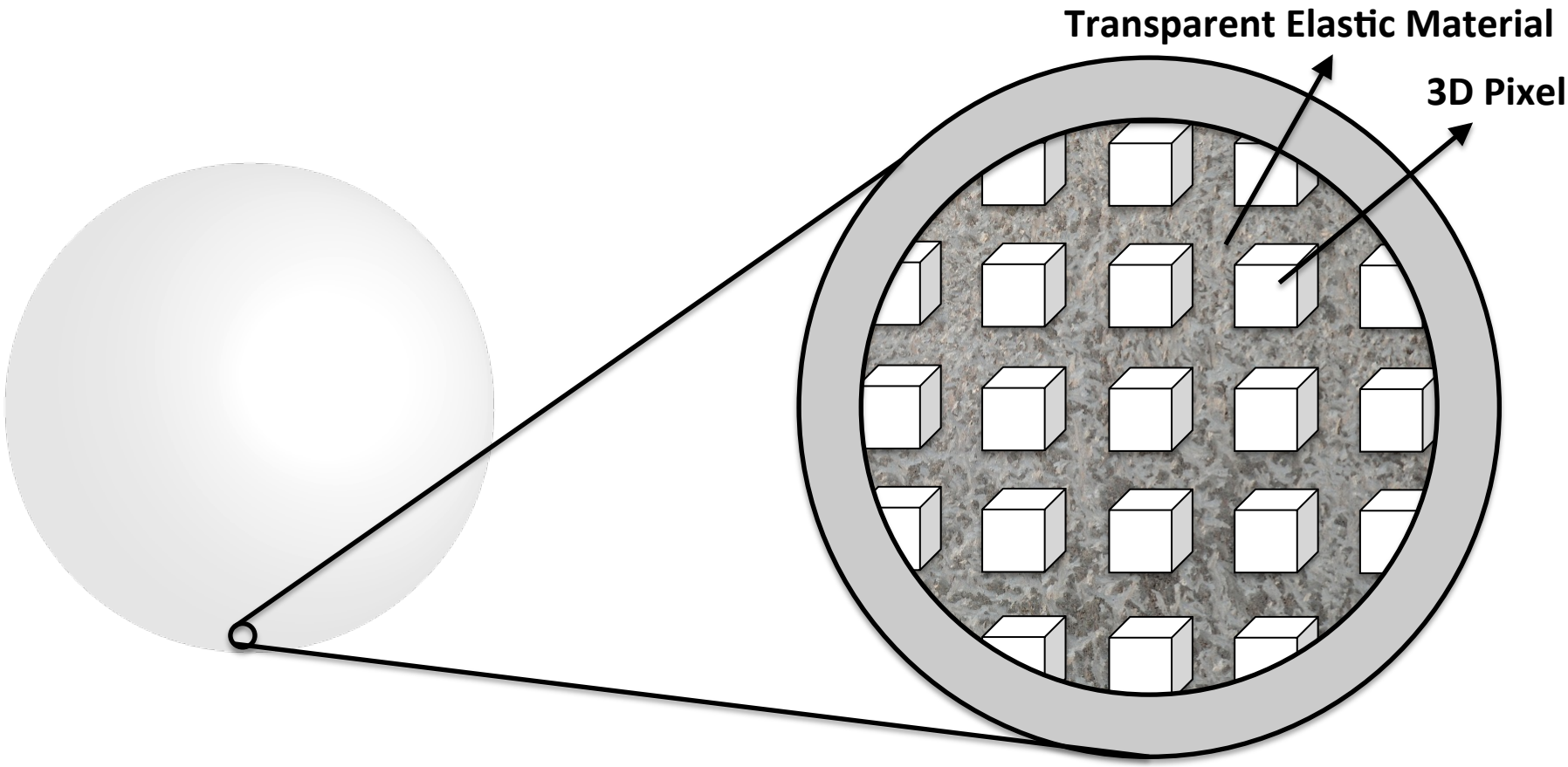
- Software Engineering & Computer Science
  - System Architecture & Modeling
  - Graphics, Networking, Databases
  - Vending Machine & Pipelined CPU Circuits

- Psychology (Cognitive Neuroscience)
  - Ashton Graybiel Spatial Orientation Laboratory
  - Brain-Computer Interface Group
    - EEG, Machine Learning, Robot Manipulation

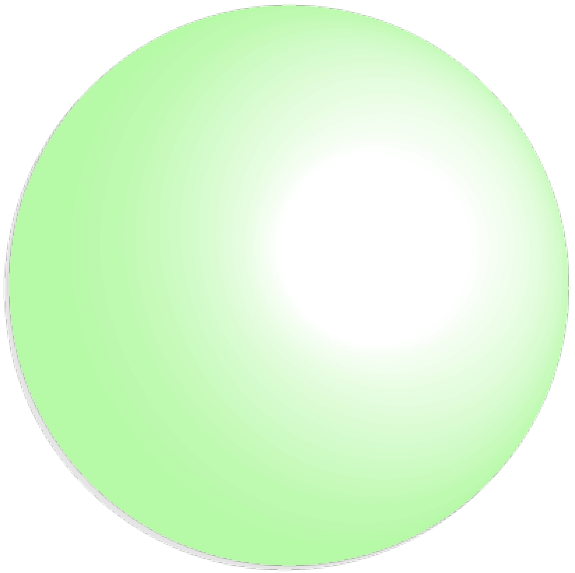
Remote Collaboration

- Collaborative drawing – Clearboard
  - Drawing Synchronization
  - Facial expression of collaborator
- Collaborative Crafting - C-Set
  - Real object synchronization
  - Craft virtualization / materialization
  - Coloring

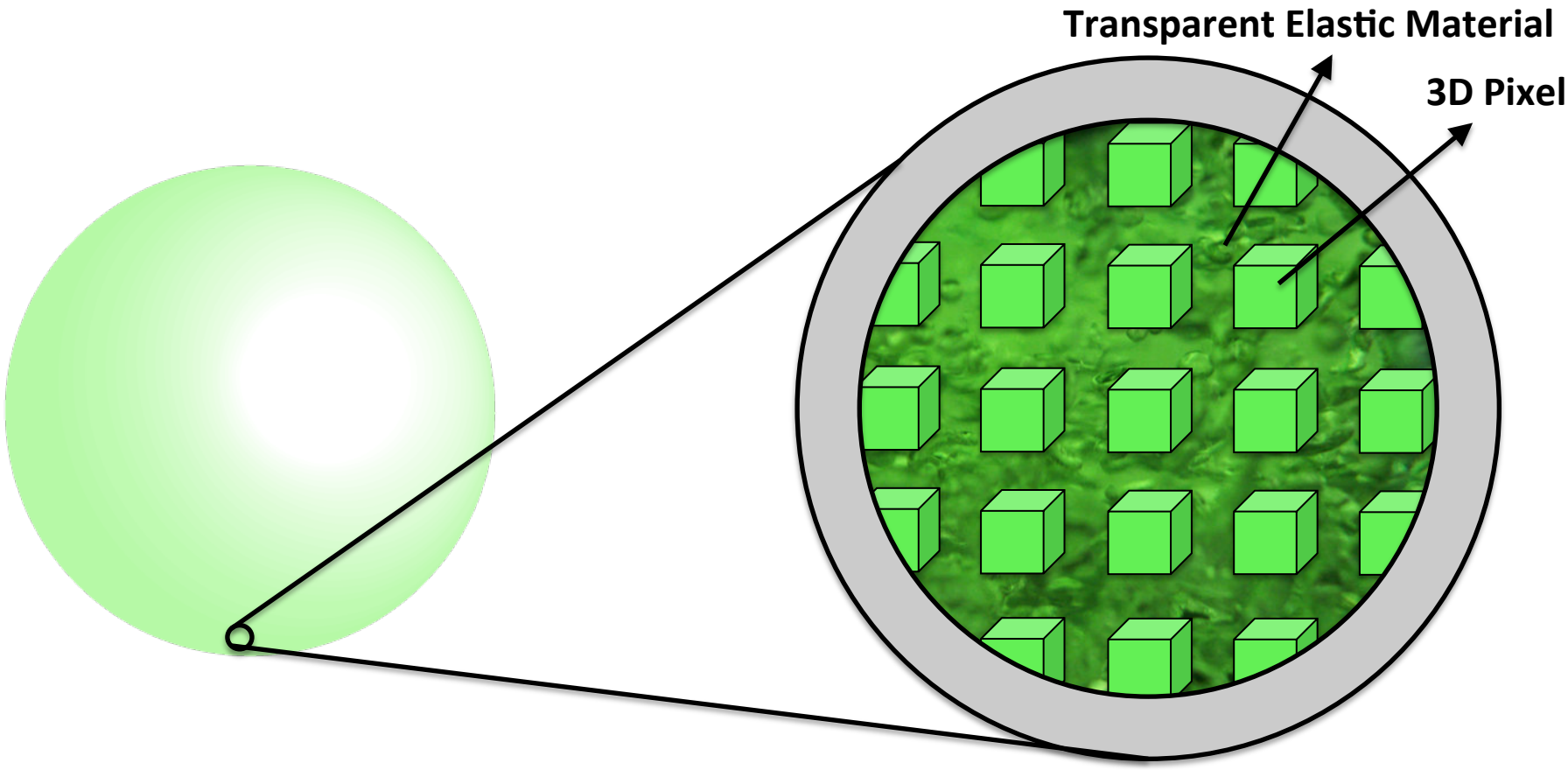
Digital Clay Ball



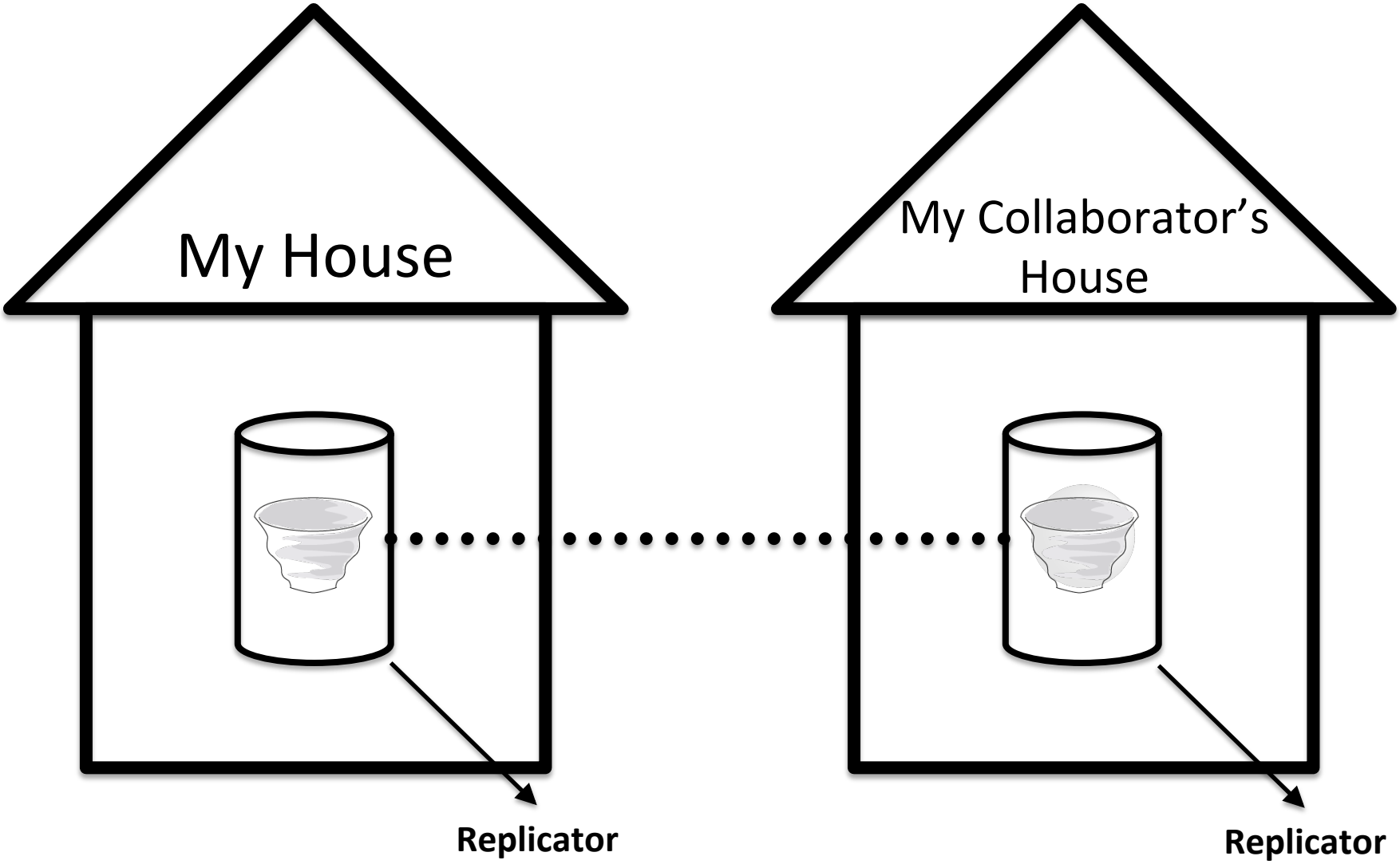
Digital Color Dropper



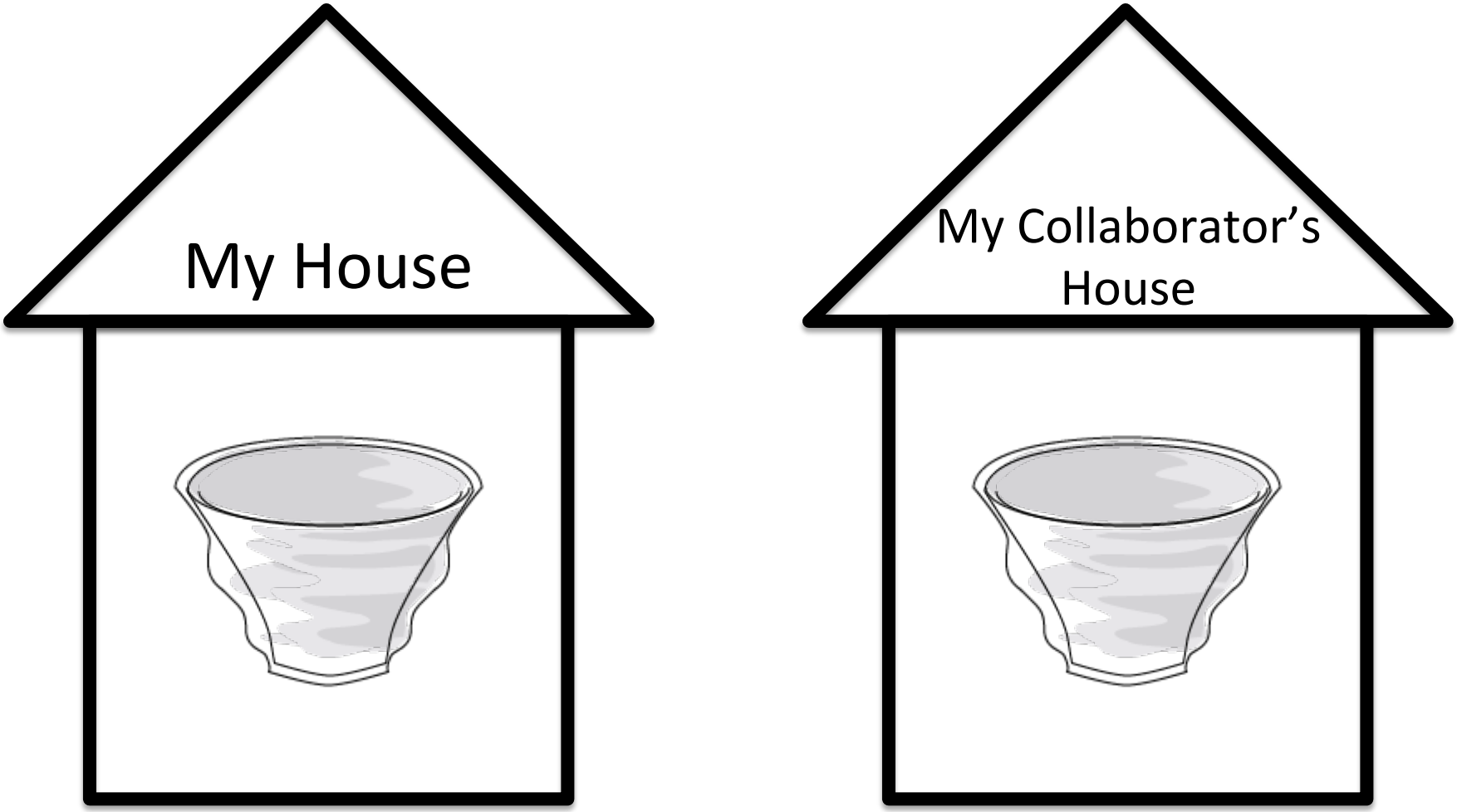
Digital Clay Ball



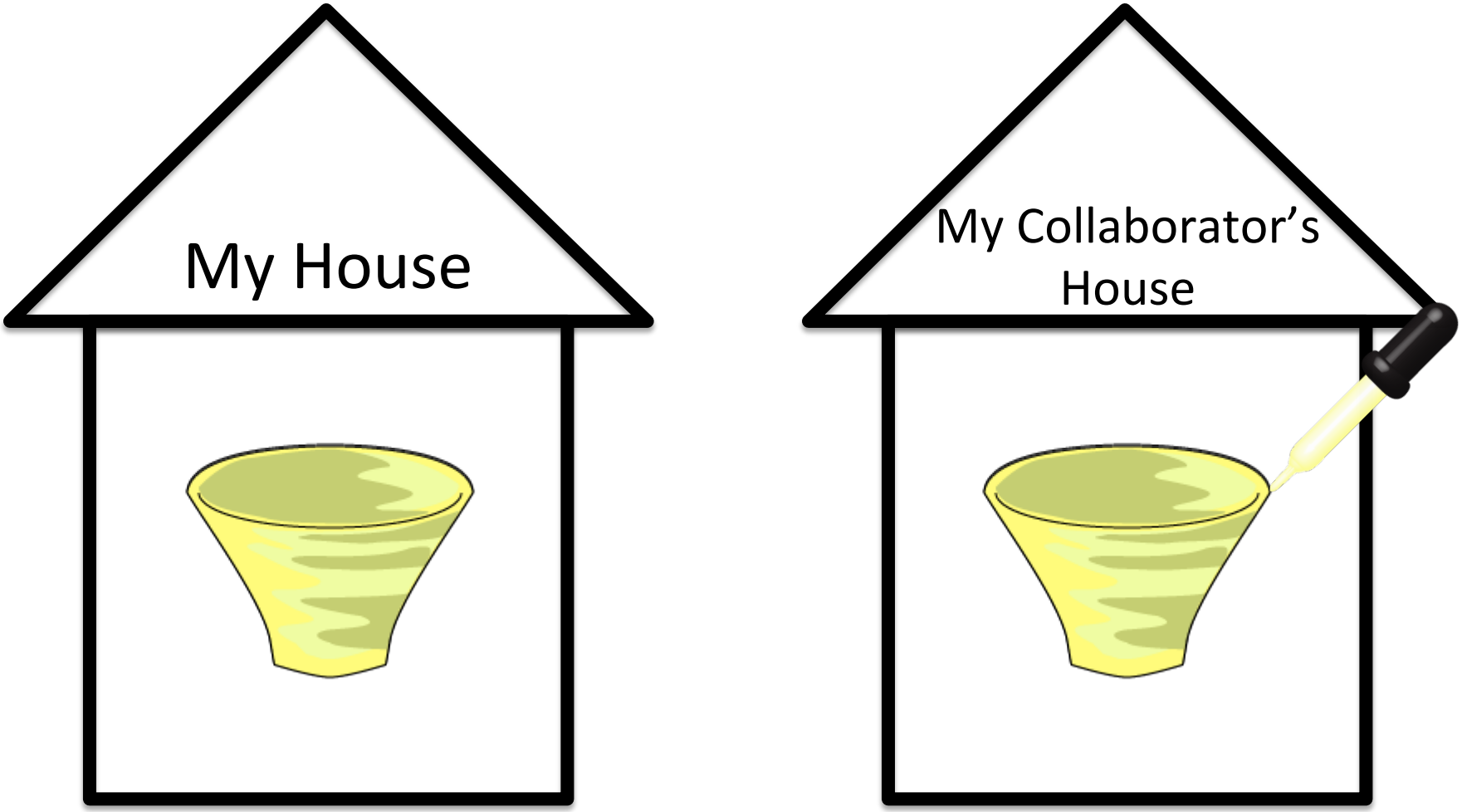
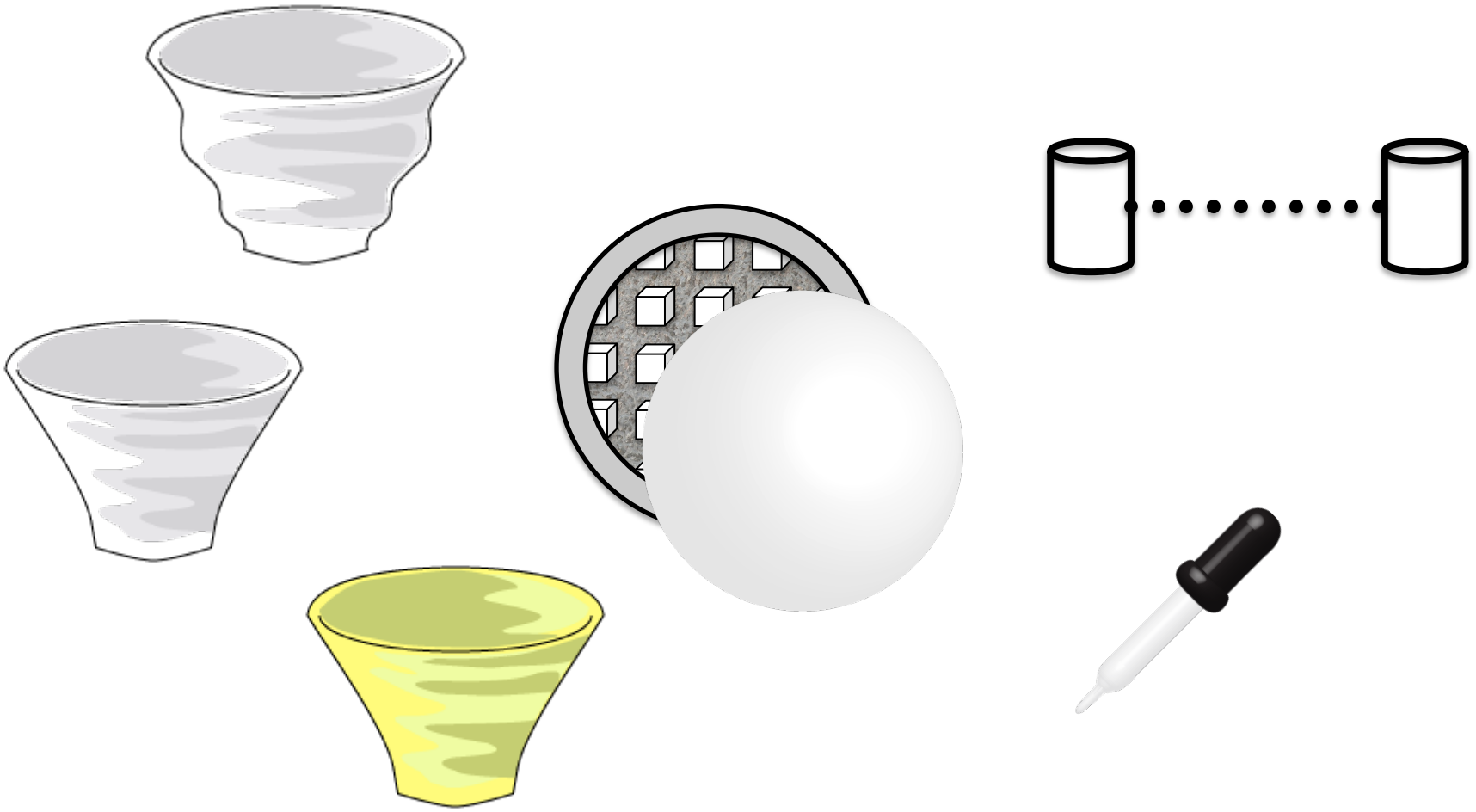
Remote Replicator



Remote Collaboration - Reshape



Remote Collaboration - Recolor



C-Set in all