Ownership of Knowledge: Beyond Intellectual Property, MIT Press, 2023.

Chapter 6 by Amy Slaton

known able

CAN *diversity, equity, and inclusion* BE INSTRUMENTS OF CHANGE?

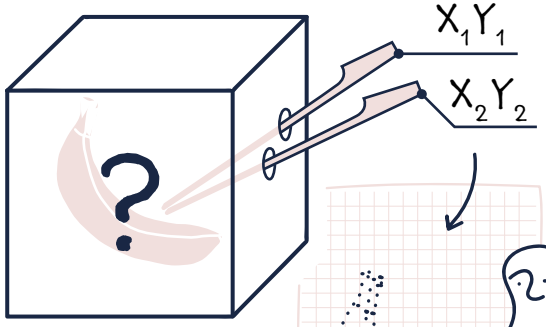
THERE ARE STUBBORN HISTORICAL INEQUITIES IN **STEM** EDUCATION!

K–12 STUDENTS ARE SORTED BY THEIR *predicted ability to learn* BEFORE THE TEACHING HAS TAKEN PLACE

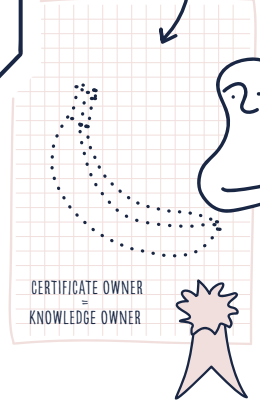
case

BANANA-IN-A-BOX EXPERIMENT

AN UNKOWN OBJECT IS IN A CLOSED BOX. USE WOODEN SKEWERS TO...



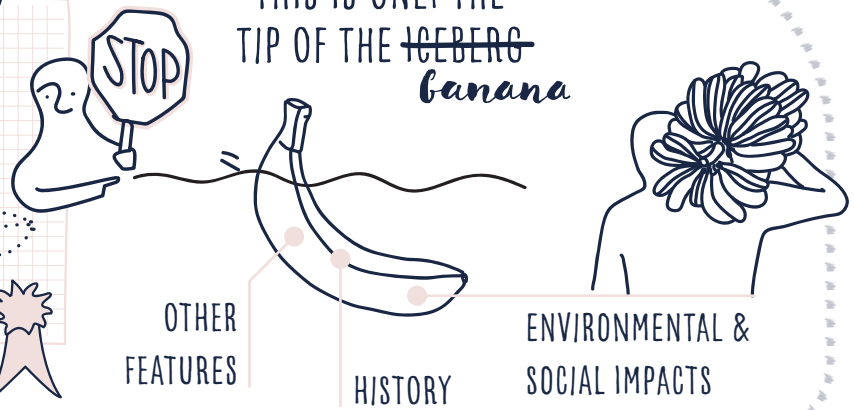
... PLOT POINTS ON A GRAPH PAPER THAT ALLOW US TO RECOGNIZE AND NAME THE OBJECT.



U.S. SCHOOL EDUCATION EXCLUDES POTENTIAL KNOWERS

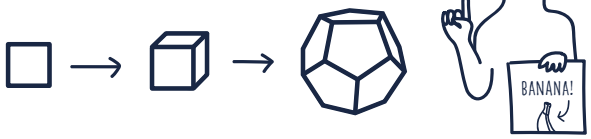
through naming

THIS IS ONLY THE TIP OF THE ~~ICEBERG~~ *banana*



the USA *uses:*

THE **SEQUENTIAL LEARNING MODEL***

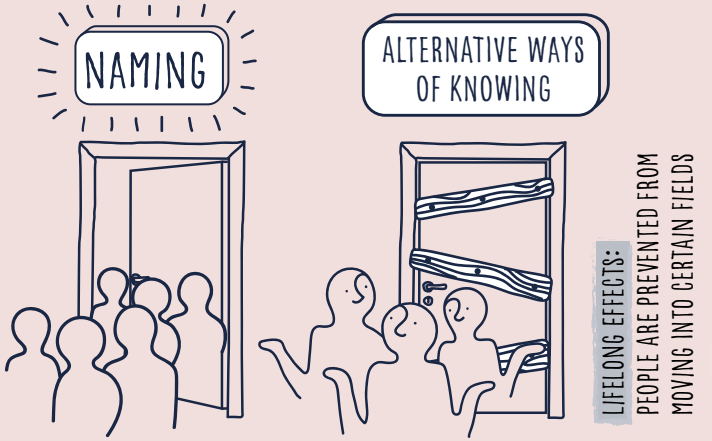


*GRADUAL PROGRESS FROM SIMPLE EXPERIMENTS TO USING COMPLEX INSTRUMENTS



SKEWERS → ATOMIC FORCE MICROSCOPES

Educators COULD IMAGINE MULTIPLE METHODS OF **KNOWLEDGE EXPLORATION** AND **FORMATION**



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