

	Teacher-centered Liberal education College prep	Student-centered “21 st century skills” “Habits of the mind”
Role of the teacher	Sage on the stage	Guide on the side
What they say	“If the student hasn’t learned, the teacher hasn’t taught” - Siegfried Engelmann	“[I]t is possible for students to construct for themselves the mathematical practices that, historically, took several thousand years to evolve.” - Cobb & Yackel
Goal of schooling	Knowledge	“Learning experiences”
Who is responsible for student learning?	Knowledgeable teachers understand which topics to teach in which sequence; provide adequate practice to ensure students learn and can recall content; assess student learning; reteach as necessary	Students “take ownership of their learning” Parents hire tutors to provide direct instruction at home IUFSD teachers enjoy profitable sidelines as tutors
What you see in the classroom	Whole-class instruction 80/20: No more than 20% of class-time spent in pairs and pods	Group learning & “mini-lessons” Teacher circulates the room, working w/students one on one
Social geography	Students face teacher	Students face each other
Technology	Chalk and chalkboard; whiteboard; paper and pencil; projector; SmartBoards; clickers	Mobile devices
What students read	Classics, cover to cover	Contemporary novels; op-eds found on Google; nonfiction excerpts
Assigned reading?	Yes Whole-class discussion of shared books	No Students choose their own books Limited whole-class discussion
Syntax and punctuation of the sentence	Directly taught and practiced until mastered	No: grammar should be “caught not taught”
Class composition	Homogeneous grouping—not tracking—preferred so that all students can progress at their natural speed	Heterogeneous grouping Speed of learning & opportunities for acceleration considered unimportant because “depth” is provided via “differentiated instruction”
Class materials	Books; textbooks	Chromebooks; Google; packets
What is taught	Liberal education: the disciplines	“21 st century skills”; “habits of the mind”
Attitude toward practice and memorization	“How do you get to Carnegie Hall?”	“Drill and kill”
Technology is used to	Make teacher’s job easier & more efficient	Change the way teachers teach from teacher-centered to student-centered
Underlying philosophy	Cognitive science; behaviorism	Radical constructivism