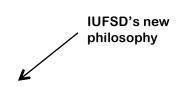
What they say



## Teacher-centered

Liberal education

College prep

Direct instruction

"If the student hasn't learned, the

teacher hasn't taught"

-Siegfried Engelmann

The teacher is... ...a "sage on the stage"

Goal of schooling Knowledge

Who is responsible for student learning?

What you see in the

Teachers & administrators

Whole-class instruction

classroom 80/20: No more than 20% of class-

time spent in pairs and pods

Social geography Students face teacher Students face each other

**Technology** Chalk & chalkboard; whiteboard;

paper & pencil; projector; SmartBoards; clickers

What students read Classics, cover to cover

Assigned reading? Yes

Whole-class discussion of shared

books

Syntax and punctuation of Directly taught and practiced until

the sentence mastered

Class composition Homogeneous grouping (not

tracking) so all students can progress as quickly as possible; efficiency

valued

Class materials Books; textbooks

What is taught Liberal education: the disciplines

"How do you get to Carnegie Hall?" Attitude toward practice and memorization ("Practice, practice, practice")

Technology is used to Make teacher's job easier & more

efficient

Underlying philosophy Cognitive science; behaviorism "21st century skills"

Learner-centered

"Habits of the mind"

Discovery, inquiry, problem-based

learning...

"It is possible for students to construct for themselves the mathematical practices that,

historically, took several thousand years to evolve." - Cobb & Yackel

...a "guide on the side"

"Learning experiences"

Students & parents: students teach

themselves & peers

Parents pay tutors to provide direct

instruction at home

Group learning & "mini-lessons" Teacher circulates the room, working

w/selected students one on one

Mobile devices: tablets, smart phones, Chromebooks, etc.

Contemporary novels; op-eds found

on Google; nonfiction excerpts

No

Students choose their own books Limited or no whole-class discussion

No: grammar should be "caught not

taught"

Heterogeneous grouping Learning speed & acceleration

considered unimportant

Chromebooks; Google; Xeroxed and

stapled packets

"21st century skills"; "habits of the

mind"

"Drill and kill"

(Practice & drill considered harsh)

Change the way teachers teach from direct instruction to self-teaching

"Radical constructivism"