

## Data, Assessments, & Instruction: Documenting Comprehensibly & Efficiently

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Is this  
you?

### Our Aim in Today's Burst

- Using individual data to make class-wide instructional decisions, **efficiently**
- Two instruments:
  - Interviews
  - Think-alouds
- Two levels:
  - Grade level
  - Remedial

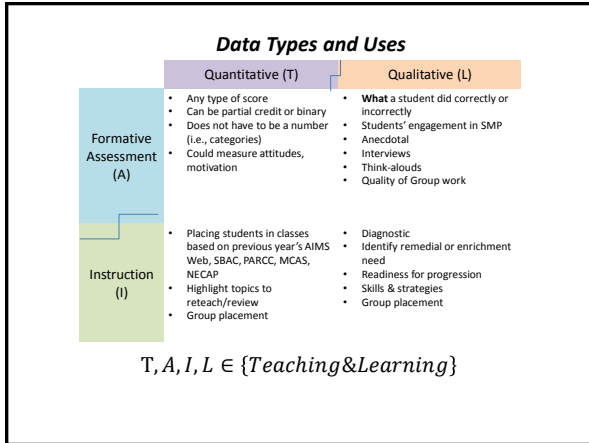


### What counts as "Data"?

- You already collect it
- How to collect the right amount to be helpful to you?


Let's reclaim this Four Letter Word!!!!





## Interview Based Assessments (IBA)


- What?
  - Teacher asks questions
  - Spontaneous OR planned
  - Standardized OR not
  - Can be:
    - worked in with productive struggle
    - individualized
    - tailored in the moment



## Interview Based Assessments (IBA)

- Why?
  - Uncovering misconceptions
  - Revealing underlying reasons for levels of engagement
  - Areas of potential enrichment
  - Uncovering creative responses

**Aim: Increased efficacy of instructional diagnosis**



Not based in deficit model

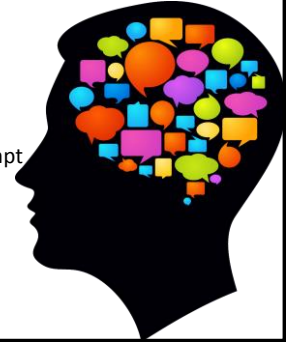
## In The Moment IBA Protocol

- Stickers for notes about students
- Having a general template available
- Example questions
  - How did you do that?
  - Tell me more about ...
  - Why did you do this?
  - How did you get started?
  - What did the answer tell you?

**EXAMPLE #1: IBA NOTES**  
**– REMEDIAL / TIER 3 CLASS**

**Think-alouds (TaL)**

- What?
  - Group or individual
  - Not standardized
  - Spontaneous or planned
  - Teacher provides one prompt
  - Teacher listens



**Think-alouds**  
**(TaL)**



- Why?
  - Uncover misconceptions
  - Uncover reasoning (esp. creative responses)
  - Improve instructional diagnosis
  - Build students' ability to communicate mathematically

**Prep for TaL**

- I tend to use this tool to diagnosis what's missing in a student's math toolbox
- Take one problem and break it down into:
  - Steps of a problem
  - The grains of progression of knowledge necessary to solve the problem

**EXAMPLE #2: TAL NOTES –  
GRADE LEVEL GEOMETRY CLASS**

**EXAMPLE #3: TAL NOTES –  
GRADE LEVEL ALGEBRA CLASS**

**EXAMPLE #4: TAL NOTES –  
REMEDIAL CLASS**



Remember: use data documentation as  
communication tool!

## Connections to Equity

- Shows teacher's respect for student knowledge and thinking
- Fosters analytic/critical thinking; metacognition
- Disruptive of "banking system"?



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