## New Models of Teacher Assessment

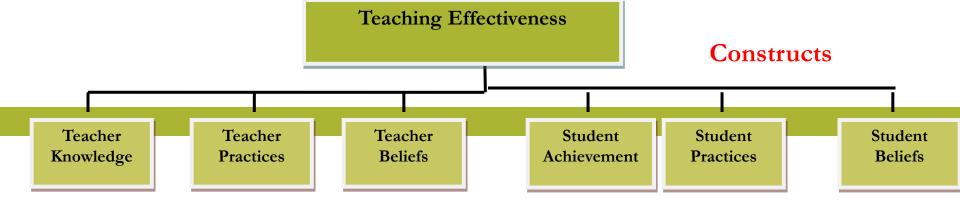
#### Drew Gitomer – Educational Testing Service



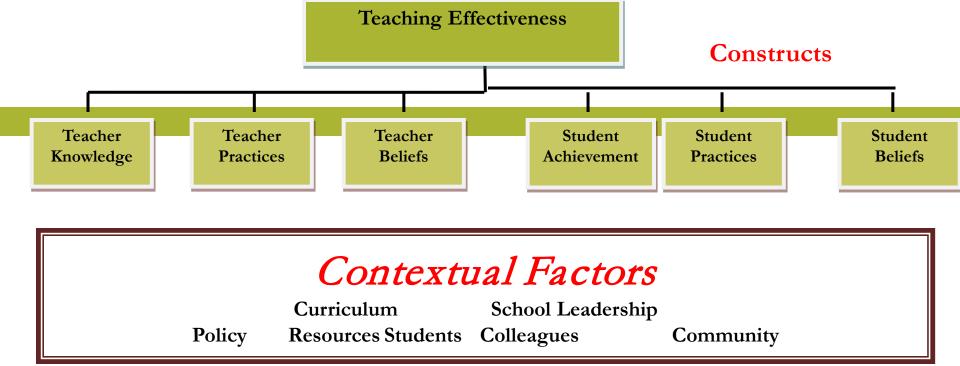


**Teaching Effectiveness** 

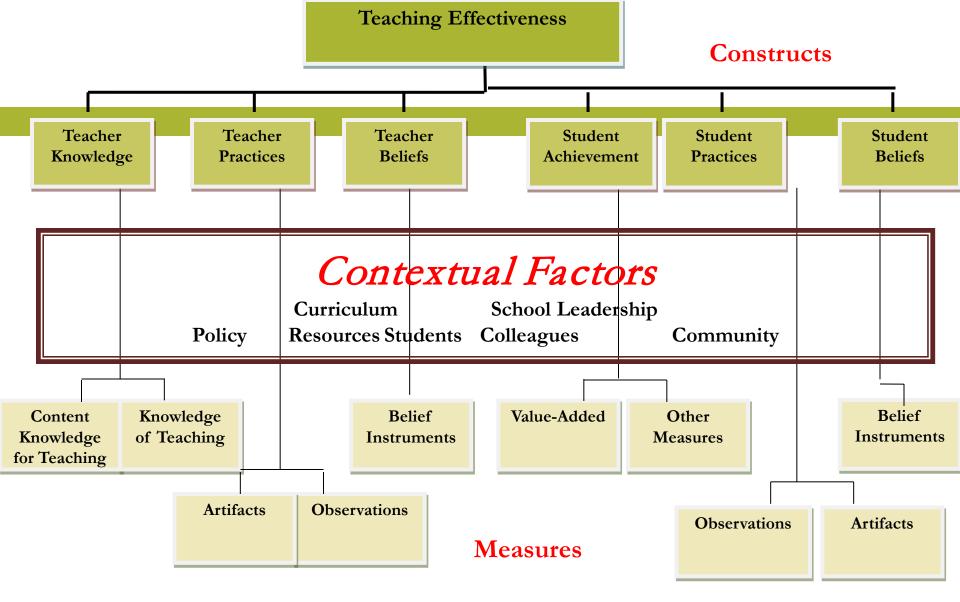




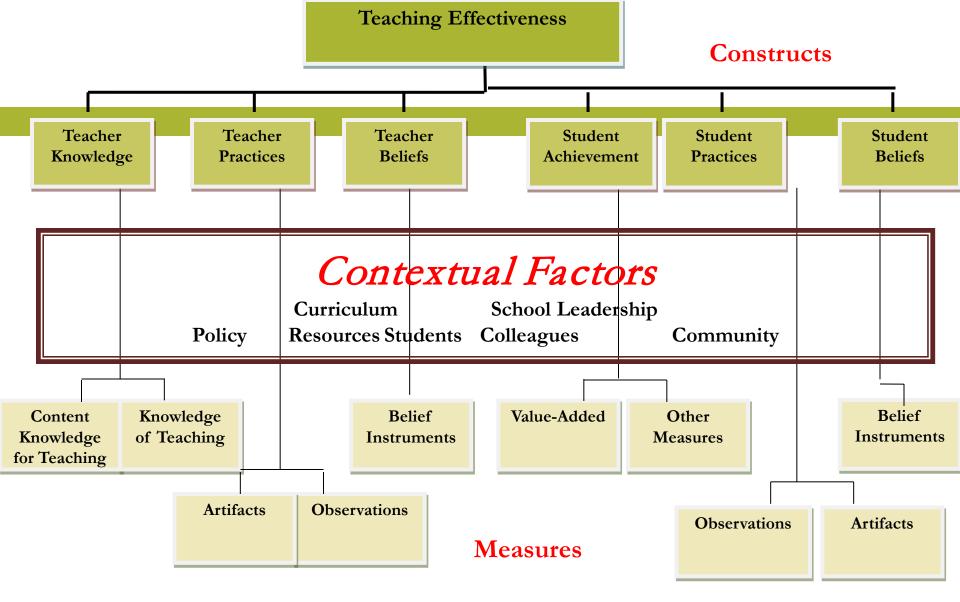














# **Operating Principle: Measures Matter**

- Every measurement tool embodies an underlying theory of what matters
- Measurement tools vary in their psychometric properties

### The tools we use affect the stories we tell



### Understanding Teaching Quality – A Program of Research

# Multi-year efforts to refine, apply and understand a broad range of teaching measures

- 1. Understanding Teaching Quality
  - Middle school ELA and mathematics
  - ETS, Institute for Social Research, RAND
- 2. Understanding Teaching Quality –in Algebra
  - 8<sup>th</sup> and 9<sup>th</sup> grade algebra
  - ETS, U of Virginia, RAND
- 3. Measuring Effective Teaching
  - 4<sup>th</sup>-9<sup>th</sup> grade mathematics and ELA
  - Consortium of research teams



# **Basic Research Design**

- Observe and video-record teacher multiple times in a classroom(s) during a school year
- Code the classroom interactions using study protocols
- Collect evidence of student assignments
- Assess teacher knowledge and beliefs through tests/surveys
- Estimate VAM scores for teachers
- Examine relationships within and across all measures



# Some Big Questions

- How do different measures, examined separately and together, help us understand the strengths and weaknesses of teachers, their practice, and impact on their students?
- What is the relationship between measures designed to apply to all content areas and those designed for specific subjects?

