#### Strengthening Assessment for English Learner Success: Key Challenges and Opportunities under Common Core Standards

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#### Purpose of Session

- Examine the relationship language to content assessment items
- Frame the reality of EL performance on content assessments
- Discuss ways to support and enhance ELs' academic English language proficiency and content performance



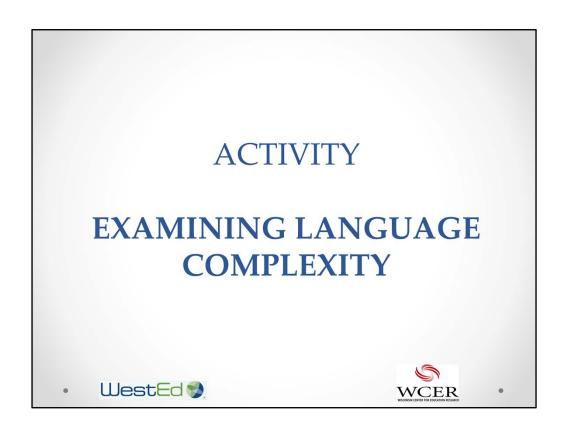


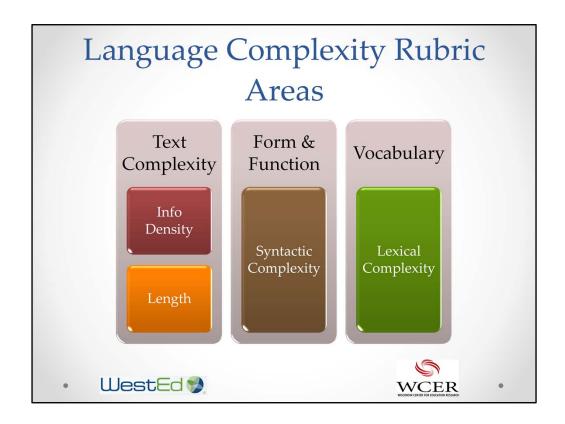
Not everything that counts can be counted, and not everything that can be counted counts.

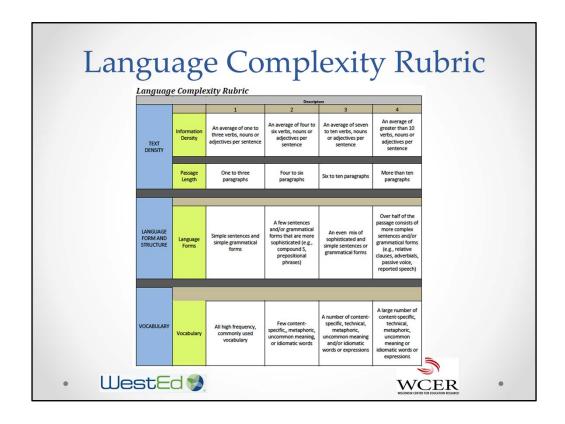
A sign said to be hanging in Einstein's office











## Scoring Language Complexity Tool

- Three main areas with a maximum of 4 in each area
- Text complexity is the average of two scores:
  - o Information density
  - o Passage Length
- Total scores range from 4 to 12
- · Score
  - o Prompts, items and directions (MC and CR items)
  - o For CR items the following is scored
    - Prompt & directions
    - Passage if applicable
    - · Satisfactory student response





#### Application

- To support assessment item development
- To support assessment item review
- To establish expectation for CCSS and NGSS standards relative to language complexity
- To support validation of assessments
- To provide information to explore how items function for students with differing levels of language proficiency





# The item – Mathematics, grade 8

18. Leroy has one quarter, one dime, one nickel, and one penny. Two of the coins are in his left pocket andthe other two coins are in his right pocket. The coins have been randomly placed in the two pockets.

What is the probability that Leroy will be able to purchase a 30-cent candy bar with the two coins inhis left pocket?

Using the coins, explain your reasoning.

#### **See Handouts**





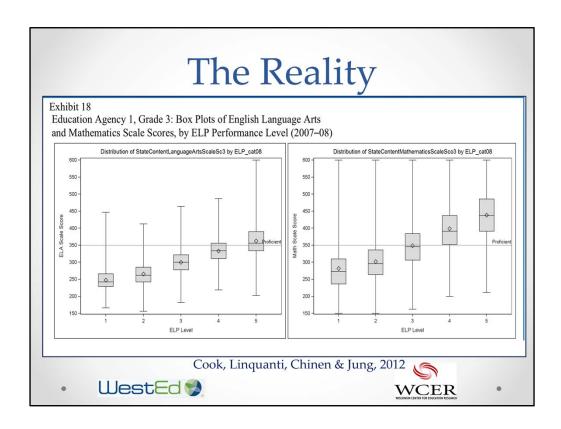
#### Your task (15 minutes)

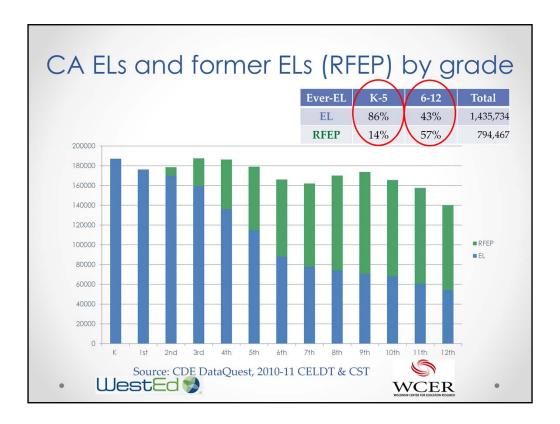
- Familiarize yourself with the LC tool
- Rate the NAEP item using the LC tool
- Rate the satisfactory student response using the LC tool
- As a group, reflect on...
  - what the ratings communicate to content assessment developers
  - What the ratings communicate to ELP assessment developers



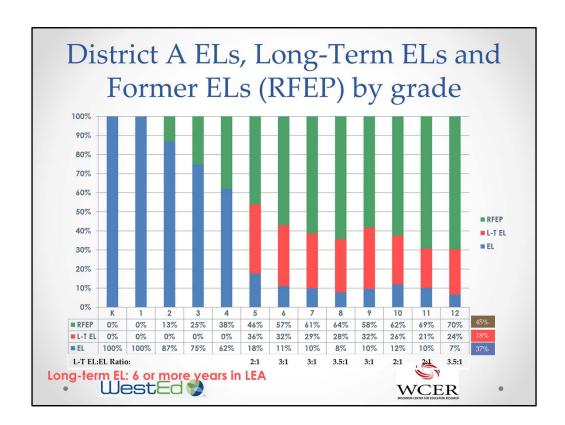


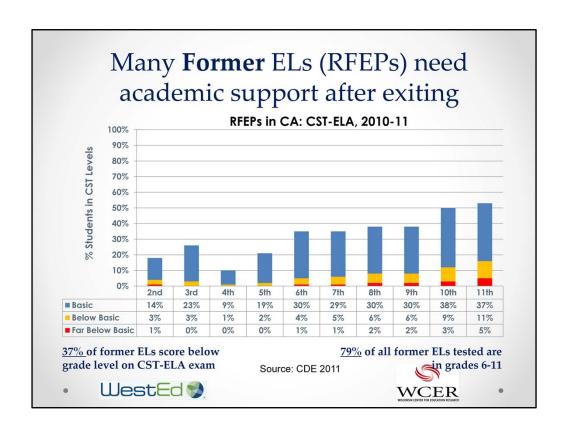






Overall (K-12): EL: 64%, RFEP: 36%





#### What are the issues?

- Why do ELs at low ELP levels consistently underperform?
- What keeps "long-term ELs" from attaining proficiency?
- How do we meaningfully assess these students' language and content proficiency?





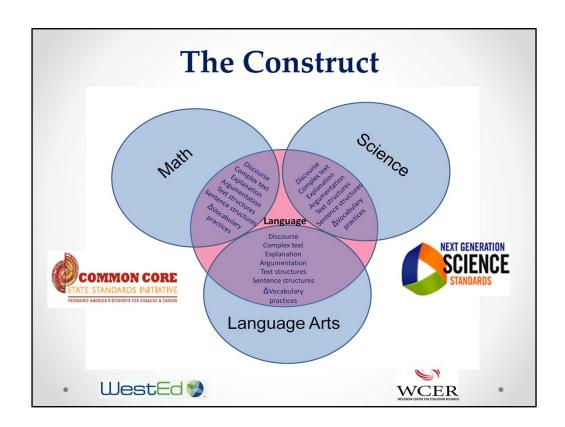
The main thing is to keep the main thing the main thing --

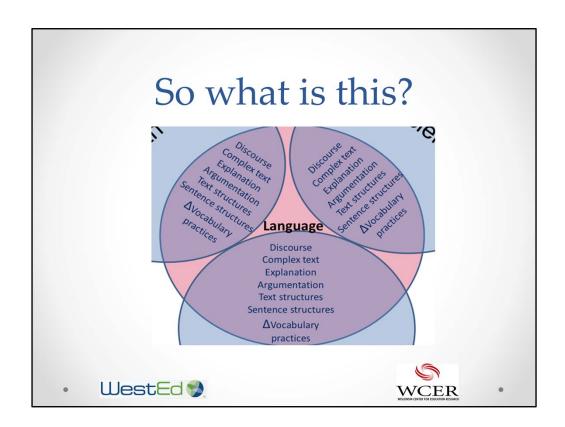
The Construct!!!

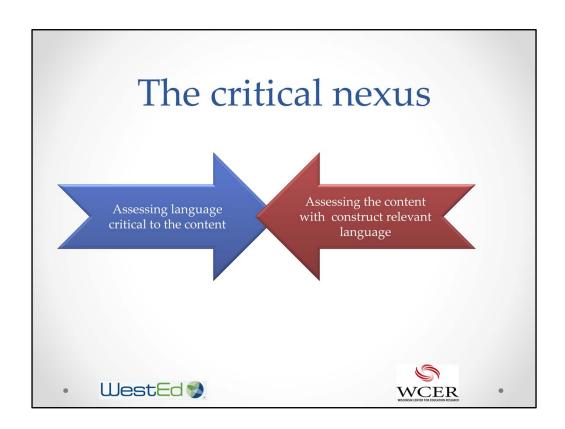
So what's the main thing?



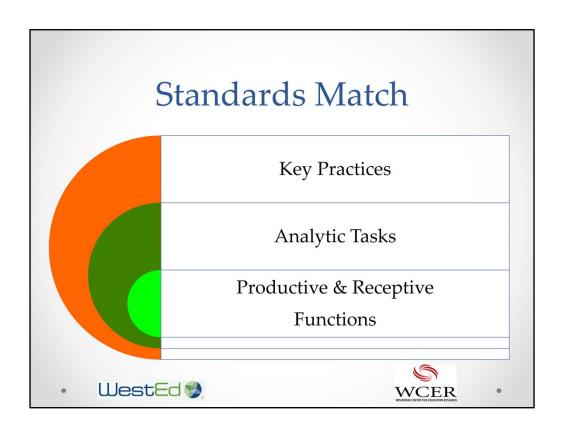


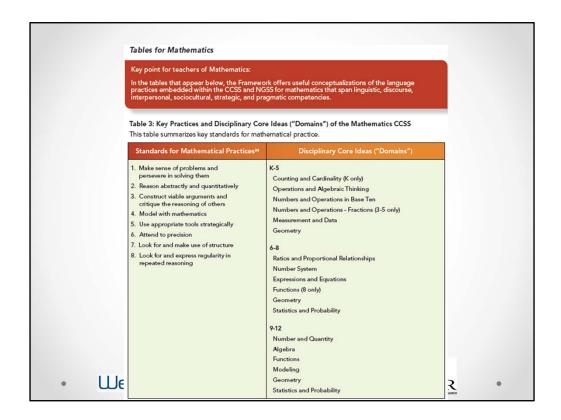












#### Mathematics Sense-Making and Language Use Key CCSS for Mathematical Practice 1: Make sense of problems and persevere in solving them · Explain to self a problem's meaning, look for entry points to solution, and plan solution pathway Analyze givens, constraints, relationships, and goals • Make conjectures about form and meaning of solution Consider analogous problems · Monitor effectiveness of current selected solution strategy and decide when to pursue a different solution strategy Check answers using different methods Understand others' approaches to solving complex problems and identify correspondences between them Create coherent representation of problems, considering units · Monitor use of resources such as time and effectiveness of current selected solution strategy · Monitor and evaluate reasonableness of intermediate and final results Comprehend the meaning of a problem as presented in multiple representations, such as spoken language, written texts, diagrams, drawings, tables, graphs, and mathematical expressions or equations · Comprehend others' talk about math problems, solutions, approaches, and reasoning Coordinate texts and multiple representations Communicate (orally, in writing, and through other representations) about concepts, procedures, strategies, claims, arguments, and other information related to problem solving: · Create, label, describe, and use in presenting solutions to a math problem multiple written representations of a problem<sup>26</sup> · Explain in words orally or in writing relationships between quantities and multiple representations of problem solutions Present information, description of solutions, explanations, and arguments to others Respond to questions or critiques from others · Ask questions about others' solutions, strategies, and procedures for solving problems

Features of classroom language	Teachers' Receptive and Productive language use and associated language tasks  Explanations and presentations (one-to-many, many-to-many)	Students' language use and associated language tasks		
Modality		Oral Receptive and Productive  Whole-class participation (one-to-many)	Written	
			Receptive	Productive
			Comprehension of classroom- based and school- based formal and informal written and multimodal communication	Production of classroom-based and school-based formal and informal written communication, such as  • Explanations of word problems  • Descriptions of one's own reasoning, solutions, or strategies
	Communication with small groups (one-to-group)	Small group participation (one-to-group)		
	Communication with individual students (one-to-one)	Interaction with individual peers (one-to-one)		
	Communication with parents (one-to-one)	Interaction with adults within school contexts (one-to-one)		
				<ul> <li>Descriptions of others' reasoning solutions, or strategies</li> </ul>
Registers	Colloquial + classroom registers + discipline- specific language and terminology	Colloquial + classroom registers + discipline-specific language and terminology	Math-learner written registers + discipline- specific language and terminology + disciplinary discourse conventions	

#### Strategies

- Create assessments that assess construct relevant language
- Provide support for low level ELs (accommodations)
- Develop a comprehensive system





### Accommodations can improve access & validity when configured correctly

- Accommodations research findings mixed
- Hard to disentangle reasons for this
- Promising practices: Assign configurations of accommodations by student profile/need

Kieffer et al., 2009; Kopriva et al., 2007





#### EL-responsive accommodations

### English-language supports:

- English dictionary/glossary with extra time
- Plain English\*\*

#### Primary-language supports:

- Primary-language versions (at Low ELP levels or receiving L1 instruction)
- Dual language (parallel bilingual) with extra time

(Pennock-Roman & Rivera, 2011)



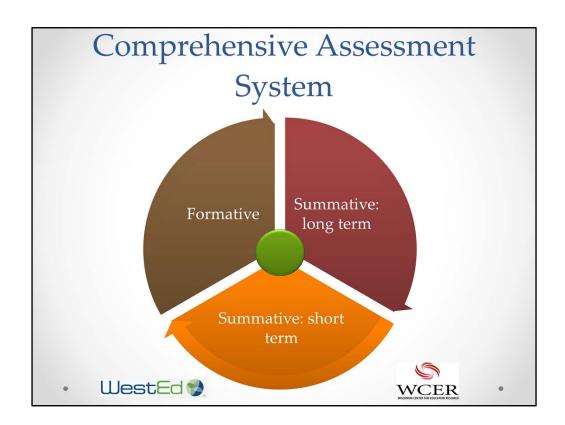


# EL-responsive assessment innovations hold promise and risk: Pursue carefully!

- Multi-semiotic approaches:
- Target ELs at lowest ELP levels in math and science
- "Language minimizing" must be seen as temporary
- Computer adaptive assessment:
- •Should differentiate language load of construct-equivalent items
- •Automated scoring routines should recognize interlanguage features

WCER





#### Recap of Key points

- 1. Defining & monitoring EL population is critical
- 2. English-language proficiency is fundamental to academic achievement
- 3. Common core standards change the game for ELs and their teachers





#### Recap of Key points

- 4. Comprehensive assessment systems can better respond to EL strengths & needs
- Accommodations no panacea can improve access and validity when configured correctly
- 6. EL-responsive assessment innovations hold promise and risk: Pursue carefully
- 7. ELP & academic assessment developers must collaborate for ELs to benefit



