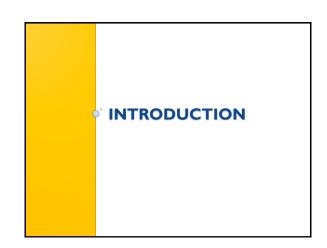


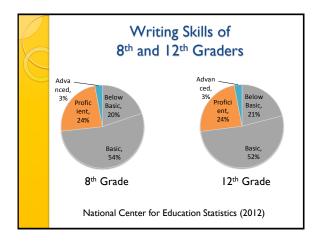
## Outline

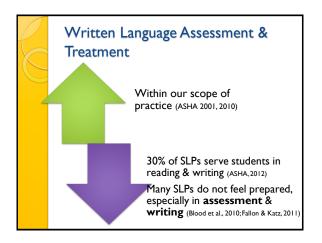
- Introduction
- Tasks & procedures for collecting writing samples
- · Measures of writing performance
- Methods for calculating writing variables
- Discussion

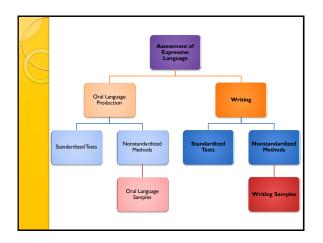
## **Purposes**

- Describe nonstandardized tasks & procedures for collecting writing samples of school-age children & adolescents
- Describe measures of writing performance & methods of analysis









## Writing samples

- Authentic method for assessing writing skill (Nelson & Van Meter, 2007)
- Useful for profiling strengths and needs, planning intervention, monitoring progress
- Yet, consensus regarding the best techniques for collecting and interpreting writing samples has not been reached (Puranik et al., 2008)
- SLPs are responsible for selecting diagnostic procedures that have scientific support from the literature.

## TASKS & PROCEDURES FOR COLLECTING WRITING SAMPLES

## Tasks & Procedures for Collecting Writing Samples

- A variety of tasks & procedures may be used to collect written language samples
- Written language sampling methods help to describe individual profiles across language domains (e.g., syntax, morphology), levels (e.g., sentence, discourse) & processes (e.g., spelling, composing)

## Tasks & Procedures for Collecting Writing Samples

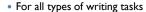
- Our focus discourse level writing samples
  - Organization of sentences into larger cohesive communication units
  - Narration & exposition (Nelson, 2010)
    - Narrative discourse e.g., personal narratives, narratives about the content of a video, etc.
    - Expository texts used primarily to provide information or explain, e.g., information presented as explanations of cause & effect, comparison & contrast, persuasion, opinion

	Examples of Tasks & Procedures			
	Types of Tasks	Prompts	Procedures	
	Expository - Persuasive essays (Asaro-Saddler & Bak, 2012)	"Should children have to go to school in the summer?"	Participants selected I of 2 questions/prompts & hand wrote responses     Time – 20 minutes	
	Expository – Descriptive (explanation) (Apel & Apel, 2011)	"Tell me why you like Halloween"	Examiner provided prompt; participants hand wrote responses     Time – not specified	
	Expository – Compare & contrast (Apel & Apel, 2011)	"Describe similarities & differences between social studies & science"	Examiner provided prompt; participants hand wrote responses     Time – not specified	

	Examples of Tasks & Procedures (Continued)				
	Types of Tasks	Prompts	Procedures		
	Expository – Written retelling of text read (Puranik et al., 2008)	Examiner read expository passage, "Where do people live?" (Qualitative Reading Inventory – 3)	Participants were read an expository passage & asked to write what they remembered on lined paper     Time - given as much time as needed; finished in 10 minutes		
	Expository – picture description using isolated picture or sequences of pictures (Tur-Kaspa & Dromi, 2001)	Poster; sequence of 6 colored pictures	Participants described what was seen in a poster; also described sequence of events using 6 colored pictures; handwritten; group sessions     Time – not specified		
	Narrative – in response to storybook pictures (Asker-Aranason, et al., 2010)	Pictures from "One Frog Too Many"; wrote story for 'Someone who could not see the pictures"	Participants previewed pictures; wrote story by typing into computer using ScriptLog, a key-stroke logging program     Time – not specified		

Examples of Tasks & Procedures (continued)				
Types of Tasks	Prompts	Procedures		
Narrative– in response to oral prompt, nonspecific topic (Nelson, 2010)	"We are interested in the stories you writetell about a problem & what happenscharacters & story can be real or imaginary"	Participants were given a plain sheet of paper to plan for 10 min. & lined paper for remaining 1 hour; read aloud their story afterwards     Time – 1 hour		
Narrative- in response to oral prompt, specific topic (Bahr et al., 2012)	"One day had the worst day at school."	Examiner provided prompt; participants hand wrote responses     Time – 5 minutes		
Narrative about content of video (Ivy & Masterson, 2011)	10 min. video segment for a "Little Rascals" episode	Participants viewed video; produced handwritten narrative     Time - 10 minutes		

## MEASURES OF WRITING PERFORMANCE



- For wide range of student populations
- Child adolescent
- Mainstream American English, dialect (e.g., African American English), and bilingual speakers
- Variety of special needs, including LD, Down syndrome, hearing impairment
- Relate (directly or indirectly) to Common Core
- Are aspects of lower performance for students with language difficulties

## Writing Productivity

- Total # words written
- Total #T-units written
  - T-units
  - · How we segment writing samples
  - One independent clause plus all of the dependent clauses attached to it (Hunt, 1970)
  - · Relies on grammatical structure, not punctuation
  - Examples:
    - · I am eight years old because I just had my birthday. I T-unit
    - ${}^{\bullet}$  I am eight years old and I am in the third grade and I go to Rogers Elementary. 3 T-units

(Nelson, Bahr, & Van Meter, 2004)

## Vocabulary

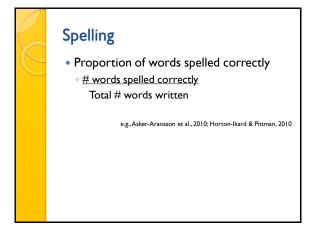
- Overall vocabulary diversity
  - # of different words

e.g., Danzak, 2011a; Craig et al., 2009

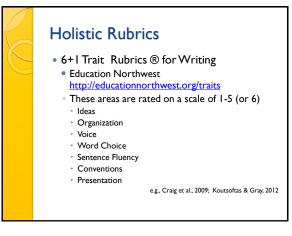
- Specific class of vocabulary
  - Total # of adjectives, abstract nouns, or metacognitive verbs

e.g., Easterbrook & Stoner, 2006; Sun & Nippold, 2012

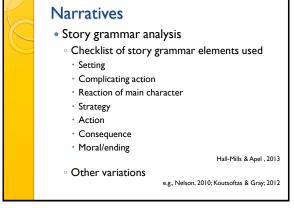
## Syntax • Length: Mean length of T-unit (in words) • Total # words in sample Total #T-units • e.g., Nelson, 2010: Sun & Nippold, 2012 • Complexity: Clausal density • Total # of independent and dependent clauses Total # T-units • e.g., Koutsoftas & Gray, 2012; Sun & Nippold, 2012 • Correctness: Percentage grammatical T-units • Total # grammatical T-units Total # T-units • e.g., Puranik et al., 2008



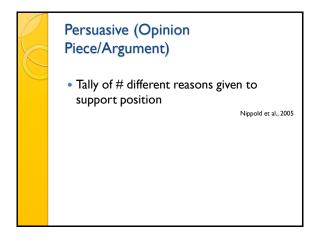
## Punctuation/Writing Conventions # of periods used correctly at end of sentences # of capital letters used correctly at beginning of sentences e.g., Kay-Raining Bird et al., 2008; Puranik et al., 2008



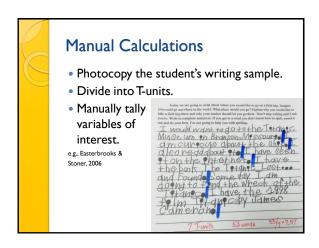
© GENRE-SPECIFIC MEASURES OF DISCOURSE STRUCTURE



# Expository (Informative/Explanatory) • Checklist of these 5 components • Assignment • Whether the overall structure was appropriate for the assignment • Logical sequence of ideas • Introduction of thesis • Body • Supporting ideas and evidence to support thesis • Conclusion



METHODS FOR CALCULATING WRITING VARIABLES

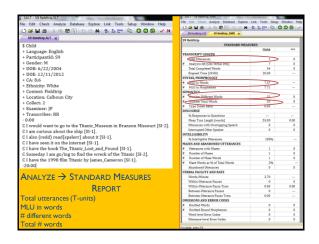


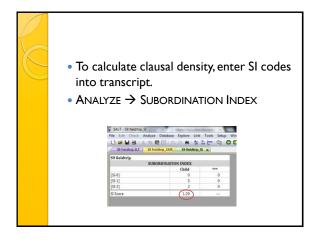
SALT

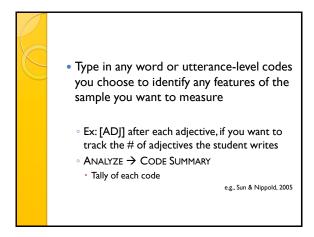
• Systematic Analysis of Language
Transcripts
• www.saltsoftware.com

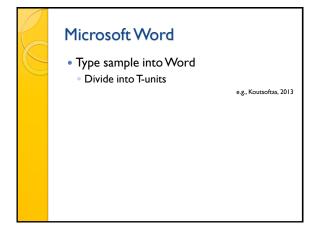
• Type sample into SALT
• Divide into T-units
• Use SALT conventions

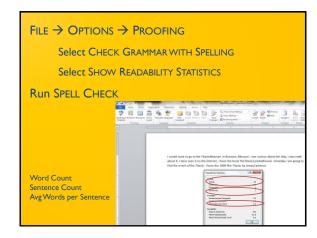
eg., Danzak, 2011a; Nelson, 2010













Writing sample analysis is useful for describing language domains, levels, & processes for children with & without disabilities.
Our research interests include the use of "long" vs. "short" writing samples & children's motivation toward reading & writing.

## RESOURCES FOR WRITING ASSESSMENT AND INTERVENTION

## **Books**

- Graham, S. MacArthur, C.A., & Fitzgerald, J. (Eds.) (2013). Best practices in writing instruction (2<sup>nd</sup> ed.). New York, NY: Guilford Press.
- Lombardino, L.J. (2012). Assessing and differentiating reading & writing disorders: Multidimensional model. New York, NY: Cengage.
- Nelson, N. (2010). Language and literacy disorders. Boston, MA: Allyn & Bacon.
- Nelson, N.W., Bahr, C. M., & Van Meter, A. M. (2004). The writing lab approach to language instruction and intervention. Baltimore, MD: Paul H. Brookes.
- Saddler, B. (2012). Teacher's guide to effective sentence writing. New York, NY: Guilford Press.
- Troia, G.A. (Ed.) (2009). Instruction and assessment for struggling writers. New York, NY: Guilford Press.
- Ukrainetz, T.A. (2007). Contextualized language intervention: Scaffolding Prek-12 literacy achievement. Greenville, SC: Thinking Publications.

## **Articles**

- Graham, S., Kiuhara, S., McKeown, D., & Harris, K.R. (2012). A meta-analysis of writing instruction for students in the elementary grades. *Journal of Educational Psychology*, 104, 879-896.
- Graham, S., & Perin, D. (2007). A meta-analysis of writing instruction for adolescent students. *Journal of Educational Psychology*, 99, 445-476.
- Pennington, R. C., & Delano, M. E. (2012). Writing instruction for students with autism spectrum disorders: A review of literature. Focus on Autism and Other Developmental Disabilities, 27, 158-167.

## Online Resources Available from <a href="http://www.asha.org/policy">http://www.asha.org/policy</a>

- American Speech-Language-Hearing Association. (2001).
   Roles and responsibilities of speech-language pathologists with respect to reading and writing in children and adolescents [Guidelines].
- American Speech-Language-Hearing Association. (2010).
   Roles and responsibilities of speech-language pathologists in schools. [Professional Issues Statement].
- National Joint Committee on Learning Disabilities. (2008).
   Adolescent literacy and older students with learning disabilities [Technical Report].

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